



## DEPARTMENT OF CITY PLANNING

### RECOMMENDATION REPORT

#### City Planning Commission

**Date:** August 24, 2017  
**Time:** After 8:30 A.M.  
**Place:** Van Nuys City Hall  
Council Chamber 2<sup>nd</sup> Floor  
14410 Sylvan Street  
Van Nuys, CA 91401

**Public Hearing:** June 6, 2017  
**Appeal Status:** Vesting Zone Change is appealable only by the applicant to City Council, if disapproved in whole or in part, Site Plan Review is appealable to the City Council by any party.  
**Expiration Date:** August 24, 2017  
**Multiple Approval:** Yes

**Case No.:** CPC-2016-4493-VZC-SPR  
**CEQA No.:** ENV-2016-4494-MND  
**Incidental Cases:** N/A  
**Related Cases:** N/A  
**Council No.:** 2 – Krekorian  
**Plan Area:** North Hollywood-Valley Village  
**Specific Plan:** N/A  
**Certified NC:** Mid-Town North Hollywood  
**General Plan:** Neighborhood Office Commercial  
**Current Zone:** [Q]C2-1VL and P-1VL  
**Proposed Zone:** (T)(Q)RAS4-1VL  
**Applicant:** Chandler Art Centre, LLC  
**Representative:** Jerome Buckmelter, Jerome Buckmelter Associates, Inc.

**PROJECT LOCATION:** 11525 West Chandler Boulevard

**PROPOSED PROJECT:** The project involves the demolition of two single-family dwellings and the construction, use, and maintenance of a new 45-foot high, four-story apartment building, totaling 42,137 square feet of development, consisting of 60 dwelling units with three units set aside for moderate income and three units set aside for low income households, providing 62 automobile parking spaces and 66 bicycle parking spaces within two subterranean parking levels.

**REQUESTED ACTIONS:** In accordance with Section 12.36 of the Los Angeles Municipal Code (Multiple Approval Ordinance), the following are requested:

1. Pursuant to CEQA Guidelines Section 15074(b), consideration of the whole of the administrative record, including the Mitigated Negative Declaration, No. ENV-2016-4494-MND ("Mitigated Negative Declaration"), all comments received, the imposition of mitigation measures and the Mitigation Monitoring Program prepared for the Mitigated Negative Declaration.
2. Pursuant to Section 12.32-Q of the Los Angeles Municipal Code, a Vesting Zone Change from [Q]C2-1VL and P-1L to (T)(Q)RAS4-1VL;
3. Pursuant to Section 16.05-E of the Los Angeles Municipal Code, a Site Plan Review for a development which creates 50 or more dwelling units;

#### RECOMMENDED ACTIONS:

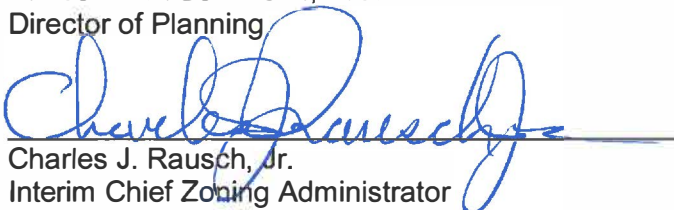
1. **FIND**, pursuant to CEQA Guidelines Section 15074(b), after consideration of the whole of the administrative record, including the Mitigated Negative Declaration, No. ENV-2016-4494-MND ("Mitigated Negative Declaration"), and all comments received, with



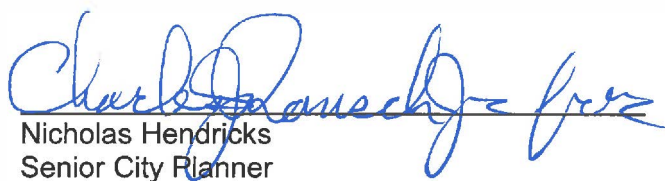
the imposition of mitigation measures, there is no substantial evidence that the project will have a significant effect on the environment; **FIND** the Mitigated Negative Declaration reflects the independent judgment and analysis of the City; **FIND** the mitigation measures have been made enforceable conditions on the project; and **ADOPT** the Mitigated Negative Declaration and the Mitigation Monitoring Program prepared for the Mitigated Negative Declaration.

2. **Recommend** that the City Council **approve** a **Vesting Zone Change** from [Q]C2-1VL and P-1VL to (T)(Q)RAS4-1VL;
3. **Approve** a **Site Plan Review** for a development which creates 50 or more dwelling units;
4. **Adopt** the attached Findings;

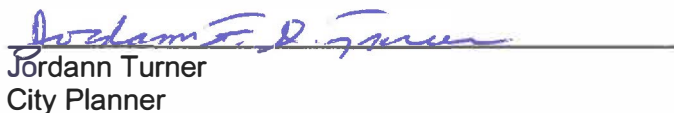
VINCENT P. BERTONI, AICP  
Director of Planning



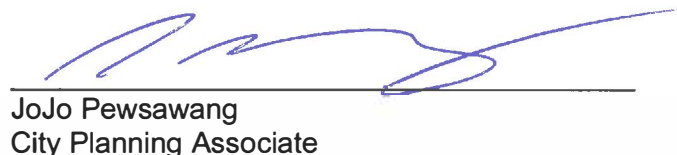
Charles J. Rausch, Jr.  
Interim Chief Zoning Administrator



Nicholas Hendricks  
Senior City Planner



Jordann Turner  
City Planner



JoJo Pewsawang  
City Planning Associate

**ADVICE TO PUBLIC:** \*The exact time this report will be considered during the meeting is uncertain since there may be several other items on the agenda. Written communications may be mailed to the *Commission Secretariat, Room 532, City Hall, 200 North Spring Street, Los Angeles, CA 90012* (Phone No. 213-978-1300). While all written communications are given to the Commission for consideration, the initial packets are sent to the week prior to the Commission's meeting date. If you challenge these agenda items in court, you may be limited to raising only those issues you or someone else raised at the public hearing agendized herein, or in written correspondence on these matters delivered to this agency at or prior to the public hearing. As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability, and upon request, will provide reasonable accommodation to ensure equal access to these programs, services and activities. Sign language interpreters, assistive listening devices, or other auxiliary aids and/or other services may be provided upon request. To ensure availability of services, please make your request not later than three working days (72 hours) prior to the meeting by calling the Commission Secretariat at (213) 978-1300.

## TABLE OF CONTENTS

|                                                                            |            |
|----------------------------------------------------------------------------|------------|
| <b>Project Analysis .....</b>                                              | <b>A-1</b> |
| Project Summary                                                            |            |
| Background                                                                 |            |
| Issues                                                                     |            |
| Conclusion                                                                 |            |
| <b>(T) Conditions .....</b>                                                | <b>T-1</b> |
| <b>(Q) Qualified Classification .....</b>                                  | <b>Q-1</b> |
| <b>Conditions of Approval.....</b>                                         | <b>C-1</b> |
| <b>Findings .....</b>                                                      | <b>F-1</b> |
| General Plan/Charter Findings                                              |            |
| Entitlement Findings                                                       |            |
| CEQA Findings                                                              |            |
| <b>Public Hearing and Communications.....</b>                              | <b>P-1</b> |
| <br><b>Maps:</b>                                                           |            |
| Map A – ZIMAS Map                                                          |            |
| Map B – Vicinity Map                                                       |            |
| <br><b>Exhibits:</b>                                                       |            |
| Exhibit A - Site Plan, Floor Plans, Elevations, Landscape Plan, Renderings |            |
| Exhibit B - ENV-2016-4494-MND, Health Risk Assessment, and Mitigation      |            |
| Monitoring Program for ENV-2016-4494-MND,                                  |            |
| Exhibit C – Department Letters                                             |            |

## PROJECT ANALYSIS

### Project Summary

The application was reviewed and deemed complete for processing on December 2, 2016. As clarified in the Department of City Planning Memo dated December 13, 2016, the project is exempt from Measure JJJ as a vesting application complete prior to the effective date of JJJ. The project involves the demolition of two single-family dwellings and the construction, use, and maintenance of a four-story, 60-unit apartment building with three units reserved for Moderate Income and three units reserved for Low Income households. The project will include 62 automobile parking spaces and 66 bicycle parking spaces. The project site fronts Chandler Boulevard and includes residential units on floors one through four. The project has a maximum height of 45 feet and a unit mix that includes 35 studios and 25 loft type units. Open space is provided in the form of a rooftop patio, courtyards, and private balconies.

| Project Summary    |                      |
|--------------------|----------------------|
| Floor Area         | 42,137 SF            |
| Floor Area Ratio   | 1.86 to 1            |
| Height             | 45 feet<br>4-Stories |
| Unit Count         | 60 units             |
| Automobile Parking | 62 spaces            |
| Bicycle Parking    | 66 spaces            |
| Open Space         | 6,005 SF             |

### Project Detail

#### Design

The overall building materials and color scheme will consist of primarily varying shades of white and grey colored stucco with accenting sheet metal along articulated walls, and varying window types. An articulated façade, recessed entryways, and balconies help create variation in both the building depth and differentiation. The building's ground floor street frontages consist of variations between patio entrances and planter spaces, which are oriented to the street.



Figure 1. Rendering of the Chandler Boulevard facade looking north from the Orange Line right-of-way.

#### Access

The main pedestrian entrance to the complex is accessible from Chandler Boulevard and is located towards the center of the project. Six units fronting Chandler Boulevard and one unit

fronting Beck Avenue would have their front door open up onto the public street. Other units would be accessible from a central courtyard. Vehicular access to the site is from the alleyway. The alleyway runs east-west and is accessible from Beck Avenue and Camella Avenue. The driveway entrance to the subterranean garage is located approximately 174 feet east of Beck Avenue. The project contains two levels of subterranean parking, containing a total of 62 parking spaces.



*Figure 2. Project rendering of alley frontage looking south towards the driveway entrance.*

### Open Space

Open space is provided in the form of a rooftop patios, courtyards, and private balconies. The project contains approximately 1,331 square feet of rooftop patio, 906 square feet of rear yard, a 2,230 square-foot courtyard and 2,000 square feet of private balcony (40 units with 50 square-foot balconies).

The applicant has requested the following entitlements:

- 1) A Vesting Zone Change from [Q]C2-1VL and P-1VL to (T)(Q)RAS4-1VL;
- 2) A Site Plan Review for a development which creates 50 or more dwelling units;

### Background

The subject property is a flat, rectangular-shaped, corner site, consisting of eight lots, with a frontage of 225 feet on the north side of Chandler Boulevard and a frontage of 139 feet on the east side of Beck Avenue. The property is presently vacant, but was formerly improved with two single-family dwellings. The proposed project consists of an apartment building totaling 46,337 square feet with 60 residential units and two levels of subterranean parking, accommodating 62 parking spaces and 66 bicycle parking spaces. The property is located within the North Hollywood-Valley Village Community Plan, an MTA Project area (ZI-1117), a Transit Priority Area (ZI-2452), the Freeway Adjacent Advisory Notice for Sensitive Uses (ZI-2427), a methane buffer zone, a liquefaction area and is within 4.1 kilometers of the nearest known fault (Hollywood Fault). The project site is located approximately 275 feet west of the Hollywood Freeway (California State Route 170) and 1,800 feet east of Lankershim Boulevard.

### General Plan Land Use Designation and Zoning

The North Hollywood-Valley Village Community Plan designates the subject properties for Neighborhood Office Commercial land uses with corresponding zones of CR, C1, C1.5, RAS3, RAS4, P, and Height District No. 1VL. Footnote No. 2 of the Community Plan states that Highway

Oriented and Neighborhood Commercial are intended to be limited to three stories or 45 feet in height. The applicant is proposing a four-story and 45-foot in height apartment building. On April 21, 2005, a Directors Interpretation of Ordinance 174,999 was issued for the RAS zones and allows the RAS Zones to exceed the Plan footnote when that footnote is general in nature. The subject property is presently zoned [Q]C2-1VL and P-1VL and the applicant has requested a Vesting Zone Change to (T)(Q)RAS4-1VL across the entire project site. The C2 zone permits residential uses at the same density as the proposed RAS4 Zone (400 square feet of lot area per dwelling unit).



Figure 3. ZIMAS map of existing zoning in and around the project site.

### Surrounding Properties

The surrounding land uses consist of Community Commercial, Medium Residential, Low Residential, and Public Facilities and are within the [Q]R3, R1, RD1.5, and PF-1VL Zones. Surrounding properties are improved multi-family residential and the Orange Line busway fronting Chandler Boulevard and multi-family and single-family residential fronting Beck Avenue. The northern adjoining property is zoned [Q]R3-1 and is developed with multi-family residential with alley vehicular access. The eastern adjoining property is dual zoned [Q]C2-1VL and P-1VL and is developed with a six unit apartment. The southern adjoining property is zoned PF-1VL and is developed with the Orange Line busway. The western adjoining properties (across Beck Avenue) are zoned PF-1VL and R1-1 and are developed with open space, a storm water channel, and a single-family dwelling.

### Street and Circulation

Chandler Boulevard, abutting the property to the south, is a Boulevard II, dedicated to a width of 160 feet and improved with asphalt roadway, Class II bike lanes, median busway, and concrete curb, gutter and sidewalk.

Beck Avenue, abutting the property to the west, is a Local Street, dedicated to a width of 60 feet and improved with asphalt roadway, concrete curb and gutter.



The alley, abutting the property to the north, is dedicated to a width of 20 feet and improved with asphalt roadway.

#### Site Related Cases and Permits

Ordinance No. 165108-SA4020 – On September 24, 1989, an ordinance amending Section 12.04 of the LAMC by amending the zoning map from CM-1 and P-1 to [Q]C2-1VL and P-1VL became effective. The [Q] limits the site to C1.5-1VL zone uses.

#### Surrounding Related Cases

Case No. CPC-2015-926-DB-SPR – On June 8, 2015, the City Planning Commission approved an on-menu affordable housing incentive to permit a maximum 3 to 1 FAR; approved an off-menu affordable housing incentive to waive transitional height; approved site plan review for a 82-unit mixed-use development with 1,000 square feet of commercial floor area within the C4-1 Zone at 11405-11415 West Chandler Boulevard. The project is presently under construction and is located approximately 0.3 miles east of the project site at the intersection of Chandler Boulevard (eastbound) and Tujunga Avenue.

#### Public Hearing and Issues

##### Public Hearing

A public hearing was conducted by the Hearing Officer on June 6, 2017, at 10:00 a.m., at the Marvin Braude Constituent Service Center in Van Nuys. The hearing was attended by neighborhood residents, the applicant and the applicant's representatives. Neighboring residents were concerned with the requested zone change and the project's traffic and parking impacts.

##### *Zone Change*

Concerns were raised at the public hearing regarding the proposed zone change request. Members of the public felt that the zone change was inappropriate and would disrupt their quality of life. The site has a General Plan land use designation of Neighborhood Office Commercial with corresponding zones of CR, C1, C1.5, RAS3, RAS4, P, and Height District No. 1VL. The proposed RAS4 Zone is a corresponding zone of the land use designation. Further, the existing C2 zone permits residential uses at the same density as the proposed RAS4 Zone (400 square feet of lot area per dwelling unit). Under the sites existing C2 and P Zoning, the project site could accommodate up to 46 units. The zone change of the entire project site from C2 and P to RAS4 would allow for up to 72 units. The applicant has proposed 60 residential units.

##### *Traffic*

Concerns were raised at the public hearing regarding the potential for increased traffic in the surrounding community as a result of project. Members of the public spoke to the need to widen Chandler Boulevard to alleviate traffic in the surrounding area. A Technical Memorandum (TM) dated September 28, 2016 was conducted by KOA Corporation for a 60-unit project at 11525 Chandler Boulevard. The TM analyzed three intersections based on LADOT staff recommendations and determined that the project would result in no significant impacts. In a letter dated November 22, 2016, DOT evaluated the TM and determined that the project would generate an additional 26 net new trips in the a.m. peak hour and 31 net new trips in the p.m. peak hour, and thus would not significantly impact traffic in the surrounding area.

The project's street frontages along Chandler Boulevard, Beck Avenue, and the alley are fully improved to current street standards per Mobility Plan 2035. The project's Chandler Boulevard frontage is one way and includes two eastbound travel lanes, an eastbound bike lane, and on-street parking. No street widening is required as a part of the project.

### *Parking*

Concerns were also raised at the public hearing regarding the amount of on-site parking provided. Members of the public stated that the site's proximity to the North Hollywood Metro Red and Orange line stations has created parking issues for the surrounding area, as neighborhood residents must compete with transit riders for finite street parking. Neighborhood residents are concerned the project would exacerbate street parking issues even further. They stated that guests and/or residents will take up already constrained street parking in the surrounding area. The proposed project would include a total of 60 studio and loft style units and 62 automobile parking spaces, to go with 66 bicycle parking spaces. The project is providing its code required vehicular and bicycle parking spaces and will set aside five-percent for Electric Vehicle Charging Stations. All parking spaces would be located within two levels of subterranean parking that is accessible from the alleyway. Further, the project is closing one driveway along Chandler Boulevard, which would add one additional street parking space for the public.

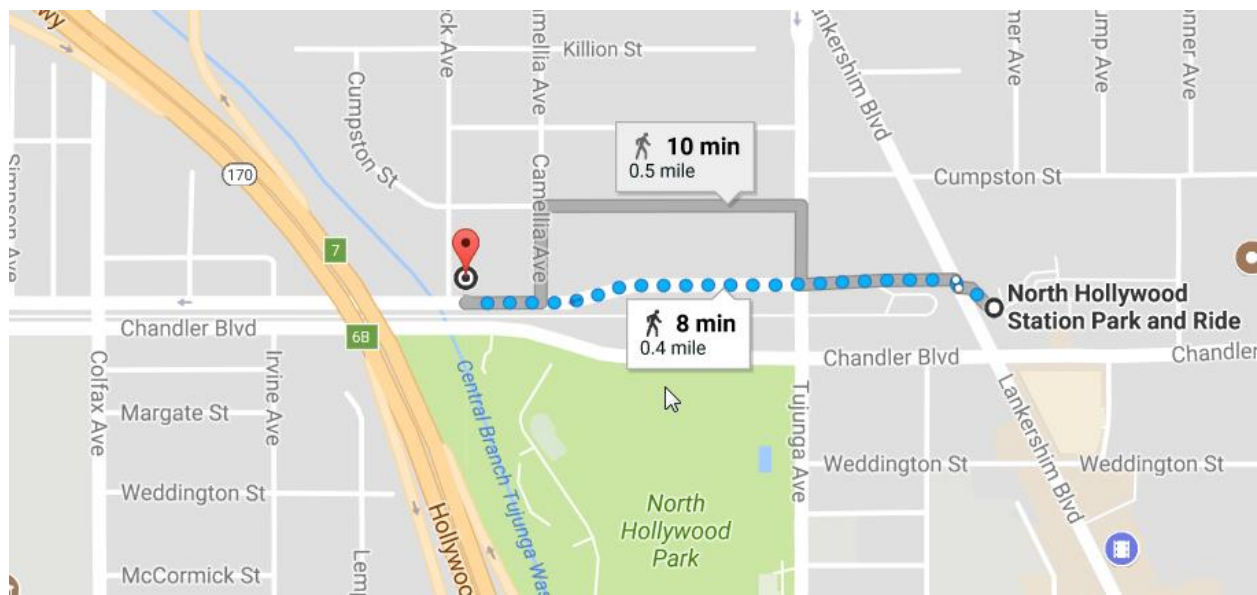


Figure 4. Vicinity Map detailing site's proximity to Metro rail and BRT stations.

### Professional Volunteer Program

The proposed project was reviewed by the Department of City Planning's Urban Design Studio - Professional Volunteer Program (PVP) on March 21, 2017. The following issues, concerns, and recommendations were discussed:

- Consider making the project's Chandler Boulevard frontage more open to the street.
- Consider having all ground level units along Chandler Boulevard have front door access to the public street.
- Consider revising the northern (alley) elevation to add more articulation.
- Consider revising the alley frontage to be more open or to provide front door access.

The applicant has revised the project's alley (northern) elevation by adding balconies, arches, and recessed areas to create articulation in the building's façade. The Chandler Boulevard

frontage was not altered to include front door access for all street fronting units, as the applicant felt that the design would be too busy. The project will maintain six units that have direct access from Chandler Boulevard and six other units will have a patio with planter and take access from the interior courtyard. To further the project's street activation, Beck Avenue will also have one unit with front door street access. Regarding the alley frontage, the project includes patio spaces along the alley to function as private open space for alley facing units. The project intends to provide pedestrian access along Beck Avenue and Chandler Boulevard.

### Conclusion

Based on the Public Hearing and information submitted to the record, staff recommends that the City Planning Commission recommend approval of the Vesting Zone Change from [Q]C2-1VL and P1-1VL to (T)(Q)RAS4-1VL for the entire site and; approve Site Plan Review. Staff also recommends that the City Planning Commission adopt the Mitigated Negative Declaration (Case No. ENV-2016-4494-MND) and the Mitigation Monitoring Program. The project will provide 60 new residential units with three units reserved for Moderate Income and three units reserved for Low Income households in a development that is compatible in scale to surrounding development. The project will add much needed new housing units within close proximity to existing transit lines and commercial centers.

## CONDITIONS FOR EFFECTUATING (T) TENTATIVE CLASSIFICATION REMOVAL

Pursuant to Section 12.32-G of the Municipal Code, the (T) or [T] Tentative Classification shall be removed by the recordation of a final parcel or tract map or by posting of guarantees through the B-permit process of the City Engineer to secure the following without expense to the City of Los Angeles, with copies of any approval or guarantees provided to the Department of City Planning for attachment to the subject planning case file.

Dedication(s) and Improvement(s). Prior to the issuance of any building permits, the following public improvements and dedications for streets and other rights of way adjoining the subject property shall be guaranteed to the satisfaction of the Bureau of Engineering, Department of Transportation, Fire Department (and other responsible City, regional and federal government agencies, as may be necessary):

### Responsibilities/Guarantees.

1. As part of early consultation, plan review, and/or project permit review, the applicant/developer shall contact the responsible agencies to ensure that any necessary dedications and improvements are specifically acknowledged by the applicant/developer.
2. Bureau of Engineering. Prior to issuance of sign offs for final site plan approval and/or project permits by the Department of City Planning, the applicant/developer shall provide written verification to the Department of City Planning from the responsible agency acknowledging the agency's consultation with the applicant/developer. The required dedications and improvements may necessitate redesign of the project. Any changes to project design required by a public agency shall be documented in writing and submitted for review by the Department of City Planning.
  - a. Dedication Required -
    1. **Chandler Boulevard (Boulevard II)** – None.
    2. **Beck Avenue** (Local Street) – None.
    3. **Alley** (n/o Chandler Boulevard) – None.
  - b. Improvements Required -
    1. **Chandler Boulevard** – Construct a new full-width concrete sidewalk along the property frontage. Upgrade all driveways to comply with ADA requirements and close all unused driveways with full height curb, 2-foot gutter, and concrete sidewalk.
    2. **Beck Avenue** – Construct a 12-foot wide concrete sidewalk along the property frontage. Upgrade all driveways to comply with ADA requirements and close all unused driveways with full height curb, 2-foot gutter, and concrete sidewalk.
    3. **Green Alley** – Construct a new 18-foot alley with asphalt pavement, and a 2-foot longitudinal gutter utilizing interlocking pavers along the frontage and off-site to Camellia Avenue. Construct new alley intersections at Beck Avenue and Camellia

Avenue to comply with City Standards (S-485-0) or per B-Permit plan check requirements.

4. Install tree wells with root barriers and plant street trees satisfactory to the City Engineer and Urban Forestry Division of the Bureau of Street Services. Some tree removal in conjunction with the street improvement project may require Board of Public Works approval. The applicant should contact the Urban Forestry Division for further information (213) 847-3088.

Notes: Street lighting and street light relocation will be required satisfactory to the Bureau of Street Lighting (213) 847-1549.

Department of Transportation may have additional requirements offsite for dedication and improvements.

5. Sewer lines exist in the Alley. All Sewerage Facilities Charges and Bonded Sewer Fees are to be paid prior to obtaining a building permit.
  6. An investigation by the Bureau of Engineering Sewer Counter may be necessary to determine the capacity of the existing public sewers to accommodate the proposed development. Submit a request to the Valley District Office of the Bureau of Engineering (818) 374-5088.
  7. Submit shoring plans and lateral support plans to the Bureau of Engineering Valley District Office Excavation Counter for review and approval prior to excavating adjacent to the right-of-way (818) 374-5090.
  8. Submit parking areas and driveways plan to the Valley District Office of the Bureau of Engineering and the Department of Transportation for review and approval.
3. **Bureau of Street Lighting.** Prior to the recordation of the final map or issuance of the Certificate of Occupancy (C of O), street lighting improvement plans shall be submitted for review and the owner shall provide a good faith effort via a ballot process for the formation or annexation of the property within the boundary of the development into a Street Lighting Maintenance Assessment District.

Construct new street light: one (1) on Beck Avenue. If street widening per BOE improvement conditions, relocate and upgrade street lights; two (2) on Chandler Boulevard.

4. **Department of Transportation.**

- a. All requirements and conditions listed in the DOT traffic evaluation assessment letter dated November 22, 2016, and all subsequent revisions to this traffic evaluation assessment be applied to the project.
  - b. A minimum 20-foot reservoir space is required between any security gate or parking space and the property line, to the satisfaction of DOT.
  - c. A two-way driveway width of w=30 feet is required for residential sites with more than 25 parking spaces.
5. **Urban Forestry Division.** Plant street trees and remove any existing trees within dedicated streets or proposed dedicated streets as required by the Urban Forestry Division of the Bureau



of Street Services. All street tree plantings shall be brought up to current standards. When the City has previously been paid for tree plantings, the subdivider or contractor shall notify the Urban Forestry Division (213-847-3077) upon completion of construction to expedite tree planting.

## (Q) QUALIFIED CLASSIFICATIONS

Pursuant to Section 12.32-G of the Municipal Code, the following limitations are hereby imposed upon the use of the subject property, subject to the “Q” Qualified classification:

1. **Use.** The use and area regulations for the new development on-site shall be developed for the commercial and residential uses as permitted in the RAS4 Zone as defined in LAMC Section 12.11.5, except as modified by the conditions herein or subsequent action.
2. **Residential.** A maximum of 60 dwelling units shall be permitted.
3. **Height.** The project shall not exceed a height of 45 feet.

## CONDITIONS OF APPROVAL

Pursuant to Sections 12.28, 16.05, and 13.08 of the Los Angeles Municipal Code, the following conditions are hereby imposed upon the use of the subject property:

1. All other use, height and area regulations of the Municipal Code and all other applicable government/regulatory agencies shall be strictly complied with in the development and use of the property, except as such regulations are herein specifically varied or required.
2. The use and development of the property shall be in substantial conformance with the plot plan submitted with the application and marked Exhibit "A", dated August 14, 2017 (hereafter "Exhibit A"), except as may be revised as a result of this action.
3. All graffiti on the site shall be removed or painted over to match the color of the surface to which it is applied within 24 hours of its occurrence.
4. The applicant shall be responsible for maintaining free of litter the area adjacent to the premises over which they have control, including the sidewalks bordering the site.
5. **Housing Requirements.** Prior to issuance of a building permit, the owner shall execute a covenant to the satisfaction of the Los Angeles Housing and Community Investment Department (HCIDLA) to make three (3) units available to Moderate Income Households and three (3) units available to Low Income Households, for sale or rental as determined to be affordable to such households by HCIDLA for a period of 55 years. Enforcement of the terms of said covenant shall be the responsibility of HCIDLA. The applicant will present a copy of the recorded covenant to the Department of City Planning for inclusion in this file and to the Council Office.
6. **Parking.** All automobile parking shall be provided in conformance with LAMC Section 12.21-A,4. A minimum of 20-percent of the total provided parking spaces shall be capable of supporting future electric vehicle supply equipment (EVSE). EVSE, infrastructure, and all devices related to EV charging shall be installed in accordance with California Electrical Code and to the satisfaction of the Department of Building and Safety. A minimum of five-percent of spaces shall provide EV charging stations that are immediately capable of providing a charge.
7. **Bicycle Parking.** Bicycle parking shall be provided in conformance with LAMC Section 12.21-A,4.
8. A parking area and driveway plan should be submitted to the Citywide Planning Coordination Section of the Department of Transportation for approval prior to submittal of building permit plans for plan check by the Department of Building and Safety. Transportation approvals are conducted at 6262 Van Nuys Blvd., Room 320, Van Nuys, CA 91401.
9. **Open Space.** A minimum of 6,467 square feet of open space shall be provided.
10. **Solar Panels.** The project shall dedicate a minimum of 2,265 square feet of rooftop space for the installation of a photovoltaic system, in substantial conformance with the plans stamped "Exhibit A" dated August 14, 2017.

### Site Plan Review

11. All trash collection and storage areas shall be located on-site and not visible from the public

right-of-way.

12. Any structures on the roof, such as air conditioning units and other equipment, shall be fully screened from the ground level view of any abutting properties and the public right-of-way. All screening shall be setback at least five feet from the edge of the building.
13. **Vehicular Access.** Vehicular access to the subterranean parking levels shall occur from the alley. The project shall comply with all requirements and conditions of the Department of Transportation's traffic assessment letter (Case No. SFV16-104809) dated December 7, 2016, and all subsequent revisions.

### **Environmental Conditions**

14. **Tribal Cultural Resources.** During the course of any ground disturbance activities, the applicant, or their agent, shall retain a professional Native American monitor(s). Ground disturbance activities shall include the following: excavating, digging, trenching, plowing, drilling, tunneling, quarrying, grading, leveling, removing peat, clearing, pounding posts, augering, backfilling, blasting, stripping topsoil or a similar activity. Monitoring of the project site during ground disturbance activities shall comply with the following:
  - a. The applicant, or their agent, shall obtain a professional Native American monitor, or monitors, by contacting the Gabrieleno Band of Mission Indians. Prior to the issuance of a grading permit, evidence shall be provided to the Department of City Planning that monitor(s) have been obtained;
  - b. A monitor shall be secured for each grading unit. In the event that there are simultaneous grading units operating at the same time, there shall be one monitor per grading unit;
  - c. In the event that subsurface archaeological resources, human remains, or other tribal cultural resources are encountered during the course of ground disturbance activities, all such activities shall temporarily cease on the project site until the archaeological or other tribal cultural resources are assessed and subsequent recommendations are determined by a qualified archaeologist. In the event that human remains are discovered, there shall be no disposition of such human remains, other than in accordance with the procedures and requirements set forth in California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98, including the required notification to the County Coroner and the Native American Heritage Commission;
  - d. In the event that subsurface resources are encountered during the course of ground disturbance activities, the qualified archaeologist on site shall specify a radius around where resources were encountered to protect such resources until the procedures and requirements set forth in California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98 have been fulfilled. Project activities may continue outside of the designated radius area.
  - e. Copies of any subsequent prehistoric archaeological study, tribal cultural resources study or report, detailing the nature of any significant tribal cultural resources, remedial actions taken, and disposition of any significant tribal cultural resources shall be submitted to the South Central Coastal Information Center (SCCIC).
15. **Noise (Demolition, Grading, and Construction Activities).**

- a. Construction and demolition shall be restricted to the hours of 7:00 am to 6:00 pm Monday through Friday, and 8:00 am to 6:00 pm on Saturday.
- b. Demolition and construction activities shall be scheduled so as to avoid operating several pieces of equipment simultaneously, which causes high noise levels.
- c. The project contractor shall use power construction equipment with state-of-the-art noise shielding and muffling devices. On-site power generators shall either be plug-in electric or solar powered.

**16. Inadequate Emergency Access.** The applicant shall submit a parking and driveway plan to the Bureau of Engineering and the Department of Transportation for approval that provides code required emergency access.

**17. Transportation/Traffic.**

- a. Applicant shall plan construction and construction staging as to maintain pedestrian access on adjacent sidewalks throughout all construction phases. This requires the applicant to maintain adequate and safe pedestrian protection, including physical separation (including utilization of barriers such as K-Rails or scaffolding, etc.) from work space and vehicular traffic and overhead protection, due to sidewalk closure or blockage, at all times.
- b. Temporary pedestrian facilities should be adjacent to the project site and provide safe, accessible routes that replicate as nearly as practical the most desirable characteristics of the existing facility.
- c. Covered walkways shall be provided where pedestrians are exposed to potential injury from falling objects.
- d. Applicant shall keep sidewalk open during construction until only when it is absolutely required to close or block sidewalk for construction staging. Sidewalk shall be reopened as soon as reasonably feasible taking construction and construction staging into account.

**Administrative Conditions of Approval**

**18. Approval, Verification and Submittals.** Copies of any approvals, guarantees or verification of consultations, review or approval, plans, etc., as may be required by the subject conditions, shall be provided to the Department of City Planning for placement in the subject file.

**19. Code Compliance.** Area, height and use regulations of the (T)(Q)RAS4-1VL zone classification of the subject property shall be complied with, except where herein conditions are more restrictive.

**20. Covenant.** Prior to the issuance of any permits relative to this matter, an agreement concerning all the information contained in these conditions shall be recorded in the County Recorder's Office. The agreement shall run with the land and shall be binding on any subsequent property owners, heirs or assign. The agreement must be submitted to the Department of City Planning for approval before being recorded. After recordation, a copy bearing the Recorder's number and date shall be provided to the Department of City Planning for attachment to the file.

21. **Definition.** Any agencies, public officials or legislation referenced in these conditions shall mean those agencies, public officials, legislation or their successors, designees or amendment to any legislation.
22. **Enforcement.** Compliance with these conditions and the intent of these conditions shall be to the satisfaction of the Department of City Planning and any designated agency, or the agency's successor and in accordance with any stated laws or regulations, or any amendments thereto.
23. **Building Plans.** A copy of the first page of this grant and all Conditions and/or any subsequent appeal of this grant and its resultant Conditions and/or letters of clarification shall be printed on the building plans submitted to the Development Services Center and the Department of Building and Safety for purposes of having a building permit issued.
24. **Expediting Processing Section.** Prior to the clearance of any conditions, the applicant shall show that all fees have been paid to the Department of City Planning Expedited Processing Section.
25. **Indemnification and Reimbursement of Litigation Costs.**

Applicant shall do all of the following:

- a. Defend, indemnify and hold harmless the City from any and all actions against the City relating to or arising out of, in whole or in part, the City's processing and approval of this entitlement, including but not limited to, an action to attack, challenge, set aside, void or otherwise modify or annul the approval of the entitlement, the environmental review of the entitlement, or the approval of subsequent permit decisions or to claim personal property damage, including from inverse condemnation or any other constitutional claim.
- b. Reimburse the City for any and all costs incurred in defense of an action related to or arising out of, in whole or in part, the City's processing and approval of the entitlement, including but not limited to payment of all court costs and attorney's fees, costs of any judgments or awards against the City (including an award of attorney's fees), damages and/or settlement costs.
- c. Submit an initial deposit for the City's litigation costs to the City within 10 days' notice of the City tendering defense to the Applicant and requesting a deposit. The initial deposit shall be in an amount set by the City Attorney's Office, in its sole discretion, based on the nature and scope of action, but in no event shall the initial deposit be less than \$50,000. The City's failure to notice or collect the deposit does not relieve the Applicant from responsibility to reimburse the City pursuant to the requirement in paragraph (b).
- d. Submit supplemental deposits upon notice by the City. Supplemental deposits may be required in an increased amount from the initial deposit if found necessary by the City to protect the City's interests. The City's failure to notice or collect the deposit does not relieve the Applicant from responsibility to reimburse the City pursuant to the requirement (b).
- e. If the City determines it necessary to protect the City's interests, execute an indemnity and reimbursement agreement with the City under terms consistent with the requirements of this condition.



The City shall notify the applicant within a reasonable period of time of its receipt of any action and the City shall cooperate in the defense. If the City fails to notify the applicant of any claim, action or proceeding in a reasonable time, or if the City fails to reasonably cooperate in the defense, the applicant shall not thereafter be responsible to defend, indemnify or hold harmless the City.

The City shall have the sole right to choose its counsel, including the City Attorney's office or outside counsel. At its sole discretion, the City may participate at its own expense in the defense of any action, but such participation shall not relieve the applicant of any obligation imposed by this condition. In the event the Applicant fails to comply with this condition, in whole or in part, the City may withdraw its defense of the action, void its approval of the entitlement, or take any other action. The City retains the right to make all decisions with respect to its representations in any legal proceeding, including its inherent right to abandon or settle litigation.

For purposes of this condition, the following definitions apply:

"City" shall be defined to include the City, its agents, officers, boards, commission, committees, employees and volunteers.

"Action" shall be defined to include suits, proceedings (including those held under alternative dispute resolution procedures), claims or lawsuits. Actions includes actions, as defined herein, alleging failure to comply with any federal, state or local law.

Nothing in the definitions included in this paragraph are intended to limit the rights of the City or the obligations of the Applicant otherwise created by this condition.

## FINDINGS

### A. General Plan Findings

- a. **General Plan Land Use Designation.** The subject property is located within the North Hollywood-Valley Village Community Plan area which was updated by the City Council on May 14, 1996 and designates the subject property for Neighborhood Office Commercial land uses corresponding to the CR, C1, C1.5, RAS3, RAS4, and P Zones. The site is zoned [Q]C2-1VL and P-1VL Zone. The proposed 60-unit multi-family residential building is consistent with development permitted in the proposed (T)(Q)RAS4-1VL Zone, which permits a maximum density of 72 units across the site. Therefore, the project is in substantial conformance with the purposes, intent and provisions of the General Plan as reflected in the adopted Framework Element and Community Plan.

b. **Land Use Element.**

The proposed project complies with applicable provisions of the Los Angeles Municipal Code and the North Hollywood-Valley Village Community Plan. There are twelve elements of the General Plan. Each of these elements establishes policies that provide for the regulatory environment in managing the City and for addressing environmental concerns and problems. The majority of the policies derived from these Elements are in the form of Code requirements of the Los Angeles Municipal Code.

The Land Use Element of the City's General Plan is divided into 35 Community Plans. The subject property is located within the North Hollywood-Valley Village Community Plan, which designates the site for Neighborhood Office Commercial land uses corresponding to the CR, C1, C1.5, RAS3, RAS4, and P Zones.

The proposed project is consistent with the following goals and policies of the North Hollywood-Valley Village Community Plan:

Goal 1: A safe, secure, and high quality residential environment for all economic, age, and ethnic segments of the community.

Objective 1-1: To provide for the preservation of existing housing and for the development of new housing to meet the diverse economic and physical needs of the existing residents and projected population of the Plan area to the year 2010.

Policy 1-1.1: Designate specific lands to provide for adequate multi-family residential development.

Objective 1-3: To promote and ensure the provision of adequate housing for all persons regardless of income, age, or ethnic background.

Policy 1-3.1: Promote greater individual choice in type, quality, price and location of housing.

Policy 1-3.2: Promote housing in mixed use projects in transit corridors, pedestrian oriented areas, and transit oriented districts.

Policy 1-3.3: Ensure that new housing opportunities minimize displacement of residents.

The proposed multi-family residential development contains 60 dwelling units, 62 automobile parking spaces and 66 bicycle parking spaces. The project will provide much needed housing with a variety of unit types including studios and lofts. The project will result in minimal displacement of existing residents as the site is presently vacant, but was formerly developed with two single-family dwellings. The project will result in the net gain of 58 dwelling units for the North Hollywood-Valley Village community and is located within close proximity to the NoHo Arts District, and the Metro Red and Orange Line North Hollywood Stations. The project's unit mix includes 35 studios and 25 loft type units. The project will also set aside six studio type units for affordable housing (three for low income and three for moderate income households). Thus, the project provides greater individual choice in price and type of housing within the plan area.

- c. The **Framework Element** for the General Plan was adopted by the City of Los Angeles in December 1996 and re-adopted in August 2001. The Framework Element provides guidance regarding policy issues for the entire City of Los Angeles, including the project site. The Framework Element also sets forth a Citywide comprehensive long-range growth strategy and defines Citywide policies regarding such issues as land use, housing, urban form, neighborhood design, open space, economic development, transportation, infrastructure, and public services. The Framework Element includes the following goals, objectives and policies relevant to the instant request:

Goal 3A: A physically balanced distribution of land uses that contributes towards and facilitates the City's long-term fiscal and economic viability, revitalization of economically depressed areas, conservation of existing residential neighborhoods, equitable distribution of public resources, conservation of natural resources, provision of adequate infrastructure and public services, reduction of traffic congestion and improvement of air quality, enhancement of recreation and open space opportunities, assurance of environmental justice and a healthful living environment, and achievement of the vision for a more livable city.

Objective 3.1: Accommodate a diversity of uses that support the needs of the City's existing and future residents, businesses, and visitors.

Policy 3.1.4: Accommodate new development in accordance with land use and density provisions of the General Plan Framework Long-Range Land Use Diagram and Table 3-1 (Land Use Standards and Typical Development Characteristics).

Objective 3.2: Provide for the spatial distribution of development that promotes an improved quality of life by facilitating a reduction of vehicular trips, vehicle miles traveled, and air pollution.

Policy 3.2.1: Provide a pattern of development consisting of distinct districts, centers, boulevards, and neighborhoods that are differentiated by their functional role, scale, and character. This shall be accomplished by considering factors such as the existing concentrations of use, community-oriented activity centers that currently or potentially service adjacent neighborhoods, and existing or potential public transit corridors and stations.

Objective 3.4: Encourage new multi-family residential, retail commercial, and office development in the City's neighborhood districts, community, regional, and downtown centers as well as along primary transit corridors/boulevards, while at the same time conserving existing neighborhoods and related districts.

Policy 3.4.1: Conserve existing stable residential neighborhoods and lower-intensity commercial districts and encourage the majority of new commercial and mixed-use (integrated commercial and residential) development to be located (a) in a network of neighborhood districts, community, regional, and downtown centers, (b) in proximity to rail and bus transit stations and corridors, and (c) along the City's major boulevards, referred to as districts, centers, and mixed-use boulevards, in accordance with the Framework Long-Range Land Use Diagram.

The proposed project will contribute toward and facilitate the City's long-term fiscal and economic viability by redeveloping an underutilized site with a new 60-unit apartment development. The project's proximity to transit connections will encourage the reduction of vehicular trips to and from the project, vehicle miles traveled, and help reduce air pollution. The project's location within an existing, under-utilized commercial and parking zoned area will enable the city to conserve nearby existing stable residential neighborhoods and lower-intensity commercial districts.

Goal 3C: Multi-family neighborhoods that enhance the quality of life for the City's existing and future residents.

Objective 3.7: Provide for the stability and enhancement of multi-family residential neighborhoods and allow for growth in areas where there is sufficient public infrastructure and services and the residents' quality of life can be maintained or improved.

The proposed project will enhance the quality of life for existing and future residents by creating new housing opportunities within close proximity to transit stations and local destinations. The project will also improve Beck Avenue by including a 12-foot sidewalk along the project street frontage. The project will improve sidewalks and add street trees along the project's frontage to enhance the neighborhood and improve the quality of life for current and future residents.

Goal 5A: A livable City for existing and future residents and one that is attractive to future investment. A City of interconnected, diverse neighborhoods that builds on the strengths of those neighborhoods and functions at both the neighborhood and citywide scales.

Objective 5.2: Encourage future development in centers and in nodes along corridors that are served by transit and are already functioning as centers for the surrounding neighborhoods, the community or the region.

Policy 5.2.2: Encourage the development of centers, districts, and selected corridor/boulevard nodes such that the land uses, scale, and built form allowed and/or encouraged within

these areas allow them to function as centers and support transit use, both in daytime and nighttime. Additionally, develop these areas so that they are compatible with surrounding neighborhoods.

The proposed project is located in a multi-modal area in close proximity to transit lines, bicycle infrastructure, and readily accessible to ride sharing services. Given the existing transit, bicycle, and vehicle infrastructure in the area, it is appropriate to locate a project at the proposed density at the subject property. The project will redevelop an under-utilized commercial and parking zoned property that is within 0.25 miles of the Metro Orange Line and Red Line North Hollywood Station. The 60 dwelling unit project will provide new housing opportunities within walking distance to surrounding commercial uses and high capacity public transit.

- d. **Mobility Element.** The Mobility Element of the General Plan (Mobility Plan 2035) is likely to be affected by the recommended action herein through the imposition of street dedications and improvements surrounding the project site. Chandler Boulevard is a designated Boulevard II under Mobility Plan 2035, dedicated to a right-of-way width of 110 feet and improved with asphalt roadway, bike lane, median busway, and concrete curb, gutters, and a sidewalk. Beck Avenue is a Local Street under Mobility Plan 2035, dedicated to a right-of-way width of 60 feet and improved with asphalt roadway and concrete gutter. The alley is dedicated to a width of 20 feet and is presently improved with asphalt roadway.

The Bureau of Engineering (BOE) is requiring no additional dedication along the project's street frontages. BOE is requiring sidewalk improvements along Chandler Boulevard, the construction of a 12-foot sidewalk on Beck Avenue, and the construction of a new 18-foot alley with asphalt pavement and a 2-foot longitudinal gutter. To further promote sustainability, the alley has been conditioned to be designed in accordance with BOE green alley standards. Dedications and improvements have been imposed under the (T) Tentative Classification conditions contained within this staff report.

The project as designed and conditioned will meet the following goals and objectives of Mobility Plan 2035:

- Policy 2.3: Recognize walking as a component of every trip, and ensure high-quality pedestrian access in all site planning and public right-of-way modifications to provide a safe and comfortable walking environment.
- Policy 2.6. Provide safe, convenient, and comfortable local and regional bicycling facilities for people of all types and abilities.
- Policy 3.1 Recognize all modes of travel, including pedestrian, bicycle, transit, and vehicular modes – including goods movement – as integral components of the City's transportation system.
- Policy 3.3: Promote equitable land use decisions that result in fewer vehicle trips by providing greater proximity and access to jobs, destinations, and other neighborhood services.
- Policy 3.8. Provide bicyclists with convenient, secure and well-maintained bicycle parking facilities.

The proposed project will provide an approximately 15-foot sidewalk along Chandler Boulevard while orienting patios and unit entrances along the street to create a quality, safe and comfortable walking environment. The project also calls for the construction of a new 12-foot sidewalk along the Beck Avenue frontage, providing pedestrian facilities for the adjoining residential neighborhoods to the north and west. The project will have a main pedestrian entrance off of Chandler Boulevard, flanked by short-term bicycle parking.

The project will take vehicular access off of the alleyway. New curb cuts and driveways along Chandler Boulevard and Beck Avenue were specifically avoided in order to reduce any impact on circulation in the surrounding area, including the performance and reliability of transit services and to avoid conflicts with pedestrians and bicyclists. The project will close one curb cut on Chandler Boulevard, resulting in the addition of one on-street vehicle parking space.

The proposed project will be located proximate to neighborhood destinations including restaurants, gyms, and a major transit stop. The project is located within 1,250 feet of the Metro Orange Line and Red Line North Hollywood stations, which offer access to local and regional destinations including Hollywood, Downtown Los Angeles, Van Nuys, and Warner Center. The project also has direct access to the Chandler Boulevard bike lanes that connect with the Orange Line bike path, which links North Hollywood with Lake Balboa, and other Valley communities. Both short term and long term bicycle parking are provided on-site.

- e. The **Housing Element** of the General Plan seeks to meet the variety of housing needs of the City's growing population through the provision of affordable housing and amenity-rich, sustainable neighborhoods for its residents. The proposed project is consistent with the following objectives and policies of the Housing Element:

Objective 1.1: Produce an adequate supply of rental and ownership housing in order to meet current and projected needs.

Policy 1.1.2: Expand affordable rental housing for all income groups that need assistance.

Policy 1.1.3 Facilitate new construction and preservation of a range of different housing types that address the particular needs of the city's households.

Objective 1.3: Forecast and plan for changing housing needs over time in relation to production and preservation needs.

Policy 1.3.5 Provide sufficient land use and density to accommodate an adequate supply of housing units by type and cost within the City to meet the projections of housing needs, according to the policies and objectives of the City's Framework Element of the General Plan.

The proposed project will result in the construction of 60 new rental dwelling units, including 54 market rate, three moderate income and three low income units. The project would be comprised of 35 studio and 25 loft units. The proposed 58 net new dwelling units are located within a multi-modal area near the North Hollywood terminus to the Metro Orange and Red lines, consistent with the City's policies and objectives to encourage new development in areas where public transit is readily available and the range of different housing types will help meet the particular needs of the city's households.

### **Zone Change Findings**

1. **Pursuant to Section 12.32-C and G of the Municipal Code, the zone change is in conformance with the public necessity, convenience, general welfare and good zoning practice.**

The proposed project involves the demolition of two existing single-family dwellings and the construction, use, and maintenance of a four-story, 46,337 square-foot, 60-unit multi-family residential building. The project would consist of residential units on floors one through four with two levels of subterranean parking. The project would include 62 automobile parking spaces and 66 bicycle parking spaces. The proposed building would have a maximum height of approximately 45 feet above grade and an F.A.R. of 1.87 to 1.

The project site consists of eight parcels totaling 27,219 square feet (29,166 when considering half the alley) of lot area. The North Hollywood – Valley Village Community Plan designates the site for Neighborhood Office Commercial land uses, which includes the following corresponding zones: CR, C1, C1.5, RAS3, RAS4, and P. With the approval of the requested Vesting Zone Change, the zone will continue to be consistent with the range of zones corresponding to the Neighborhood Office Commercial land use designation. Based on the existing Height District No. 1VL, the property would be permitted a maximum F.A.R. of 1.5 to 1. The recommended RAS4-1VL Zone would allow a maximum F.A.R. of 3 to 1 and a maximum height of three stories or 45 feet.

- a. **Public Necessity:** Approval of the Zone Change to the (T)(Q)RAS4-1VL Zone is necessary in order for the project to be considered under one zone rather than multiple zones. The multi-family residential development is consistent with the type of development encouraged by the General Plan Framework Element and the North Hollywood-Valley Village Community Plan, with regard to Neighborhood Office Commercial development, as outlined above. The requested Vesting Zone Change will allow for additional F.A.R. to maximize the development's potential benefit to the surrounding community.
- b. **Convenience:** The project will redevelop an under-utilized commercial and parking zoned property that is within 1,250 feet of the North Hollywood Metro Red and Orange Line stations, Metro Local Lines 237, 152, 353, and 183. The 60-unit project will provide new housing opportunities, including six affordable units, within walking distance to surrounding businesses in the North Hollywood Arts District and public transit.
- c. **General Welfare:** Granting the Zone Change to the (T)(Q)RAS4-1VL Zone allows for the development of a 45-foot in-height, multi-family residential project with 60 dwelling units, which will support the North Hollywood community by providing additional housing opportunities, as well as enhancing the urban environment by encouraging daytime and nighttime activity on an under-utilized site within the Neighborhood Commercial land use designation. Given the site's proximity to existing transit services, bicycle facilities, and the greater regional freeway and local roadway network, the project will provide new housing opportunities and amenities at both the local and regional scale.
- d. **Good Zoning Practices:** The purpose of the RAS Zones are to "provide a mechanism to increase housing opportunities, enhance neighborhoods, and revitalize older commercial corridors." The project would redevelop commercial and parking uses with a new multi-family residential development with 60 dwelling units. Approval of the Vesting Zone Change to the (T)(Q)RAS4-1VL Zone is consistent with the type of development encouraged by the General Plan Framework Element and the North Hollywood-Valley Village Community Plan. The project will create street facing residential units that will

enhance the urban environment and encourage daytime and nighttime activity within the currently under-utilized site. The project is proposing a height of 45 feet and an F.A.R. of less than 3:1, which is consistent with the Neighborhood Office Commercial General Plan Land Use designation as defined by the Framework Element and the North Hollywood-Valley Village Community Plan. The zone change would also remove an approximately 42-foot wide strip of P-1 zoned property facing the alley to the north of Chandler Boulevard, which was designed to buffer the rear yards of the R3 zoned properties on the south side of Cumpston Street from the more intensively planned C2 zoned commercial properties on Chandler Boulevard. These commercial properties were never developed with other than single-family homes on the subject property. Thus, in compliance with good zoning practice, the elimination of this P zoned property will remove an impediment to residential development, eliminate an outmoded zone which was never used to its purpose and eliminate three non-conforming uses at the site.

**2. Pursuant to Section 12.32-G of the Municipal Code, Findings for “T” and “Q” Classifications.**

Pursuant to LAMC Sections 12.32-G,1 and G,2(a), The current action, as recommended, has been made contingent upon compliance with new “T” and “Q” conditions of approval, and project specific conditions of approval imposed herein. Such limitations are necessary to ensure the identified dedications, improvements, and construction notices are executed to meet the public’s needs, convenience and general welfare served by the required actions. The conditions that limit the scale and scope of the development along with site operations, are also necessary to: protect the best interests of and to assure a development more compatible with, the surrounding properties and the overall pattern of development in the community; to secure an appropriate development in harmony with the General Plan as discussed in the above sections, and to prevent or mitigate the potential adverse environmental effects of the recommended actions.

**Site Plan Review Findings**

**3. The project is in substantial conformance with the purposes, intent and provisions of the General Plan, applicable community plan.**

**General Plan – Framework Element**

The Framework Element of the City’s General Plan was adopted on December 11, 1996 and re-adopted on August 8, 2001. The Framework Element sets forth a comprehensive long-range growth strategy for the City and defines citywide policies regarding such pertinent issues as land use, housing, urban form, neighborhood design, open space, economic development, transportation, infrastructure, and public services. As such, the Framework Element serves as an essential qualitative analysis tool in providing the general policy context within which to assess the merits of the proposed project relative to the project site and its surroundings, and against the established goals of the City.

The Framework Element defines Neighborhood districts as being those designated areas within the City which are “intended focal points of surrounding residential neighborhoods and serve populations of 15,000 to 25,000 residents.” The proposed development is consistent with the following Neighborhood Commercial goals, objectives and policies identified within the Framework Element (Chapter 3 – Land Use):

Goal 3D: Pedestrian-oriented districts that provide local identity, commercial activity, and support Los Angeles’ neighborhoods.



Objective 3.8: Reinforce existing and establish new neighborhood districts which accommodate a broad range of uses that serve the needs of adjacent residents, promote neighborhood activity, are compatible with adjacent neighborhoods, and are developed as desirable places to work and visit.

Policy 3.8.1: Accommodate the development of neighborhood-serving uses in areas designated as "Neighborhood District" in accordance with Tables 3-1 and 3-4. The range and densities/intensities of uses permitted in any area shall be identified in the community plans.

Relative to the site's Neighborhood Office Commercial land use designation under the North Hollywood-Valley Village Community Plan, the project site is presently underutilized as it has recently been cleared via the demolition of two single-family dwellings. The applicant is proposing a four-story multi-family residential development with a total of 60 units with three units reserved for moderate income and three units reserved for low income residents. The project will help create additional housing stock within close proximity to the regional rail and bus rapid transit network and will help revitalize the western edges of the NoHo Arts District. As such, the proposed project is in substantial conformance with the purposes, intent and provisions of the General Plan Framework Element.

#### North Hollywood – Valley Village Community Plan

The subject property is designated for Neighborhood Office Commercial uses under the North Hollywood – Valley Village Community Plan, with the corresponding zones of CR, C1, C1.5, RAS3, RAS4, and P. The proposed multi-family residential development is consistent with the Neighborhood Office Commercial designation and uses permitted under the (T)(Q)RAS4-1VL Zone applicable to the project site. Furthermore, the surrounding properties are currently developed with multi-family residential, single-family residential, and public facility uses (busway, wash, etc), and as such, the proposed project will be compatible with the existing uses in the surrounding area.

Objectives of the Community Plan include the following:

Objective 3: "To make provisions for housing as is required to satisfy the needs and desires of various age, income and ethnic groups of the community, maximizing the opportunity for individual choice."

The project site is currently underutilized as previously described. The proposed multi-family residential development is consistent with the above Community Plan objective as it would result in a net increase of 58 rental units and satisfy a need for additional housing located within close proximity to regional mass transit investments. The 60-unit project will provide 35 studio and 25 loft style units that will provide housing choice to potential artists that desire to reside within close proximity to the NoHo Arts District.

The land use policies for commercial uses under the Community Plan identifies the North Hollywood Business District as the "historic focal point" of the community. The plan also proposes high medium and medium density residential areas be encouraged around the North Hollywood Business District and in the area surrounding the transit station.

*Land Use – Commerce: Plan policy provides for the development of single or aggregated parcels for mixed use commercial and residential development. These structures would, normally incorporate retail office, and/or parking on lower floors and residential units on upper floors. The intent is to provide housing in close proximity to jobs, to reduce vehicular trips,*

*congestion, and air pollution, to assure adequate sites for housing, and to stimulate pedestrian oriented areas to enhance the quality of life in the Plan area.*

The project site is located within 1,000 feet of the NoHo Commercial and Art Crafts District boundary and within 100 feet of the North Hollywood Redevelopment Project. While the project is not mixed-use, it does cater to artists who could presumably use their residences as studios to create and showcase their work. Loft units have ceiling heights up to 18 feet to accommodate for artistic endeavors. The residential project will provide housing opportunities within close proximity to jobs, neighborhood serving commercial uses, and transit stations, thereby reducing vehicular trips, congestion, and air pollution. The ground floor street facing units will have either patios with direct access to the street or landscaping to help beautify and activate the street frontage, and will thus enhance the quality of life in the Plan area.

4. **The project consists of an arrangement of buildings and structures (including height, bulk and setbacks), off-street parking facilities, loading areas, lighting, landscaping, trash collection, and other such pertinent improvements that is or will be compatible with existing and future development on neighboring properties.**

The proposed project will be compatible with existing and future development on neighboring properties. The surrounding land uses consist of Community Commercial, Medium Residential, Low Residential, and Public Facilities that are within the [Q]R3, R1, RD1.5, and PF-1VL Zones. Surrounding properties are improved multi-family residential and the Orange Line busway fronting Chandler Boulevard and multi-family and single-family residential fronting Beck Avenue. The northern adjoining property is zoned [Q]R3-1 and is developed with multi-family residential with alley vehicular access. The eastern adjoining property is dual zoned [Q]C2-1VL and P-1VL and is developed with a six unit apartment. The southern adjoining property is zoned PF-1VL and is developed with the Orange Line busway. The western adjoining properties (across Beck Avenue) are zoned PF-1VL and R1-1 and are developed with open space, a storm channel, and a single-family dwelling.

The site is currently vacant and underutilized. The proposed four-story 60-unit multi-family residential development will have residential units on floors one through four with front porches and landscaping along both the Chandler Boulevard and the Beck Avenue street frontages. Units may include balconies/patios, which are a common amenity in multi-family developments in the area. The project has been conditioned to ensure that convenient and efficient public access for pedestrians, bicyclists, and vehicles will be provided. The pedestrian lobby for the building will be accessible off of Chandler Boulevard, while parking ingress/egress into the subterranean garage will be accessible from the alleyway. The project will provide code required parking, resulting in accommodations for 62 automobiles and 66 bicycles.

#### Height/Bulk:

The site's current [Q]C2-1VL and P-1VL zoning limits structures to a maximum height of 45 feet and an F.A.R. of 1.5 to 1, with the exception of RAS Zones, which are permitted a maximum height of 50 feet and an F.A.R of 3 to 1. The site's existing [Q] limits uses on the site to those permitted in the C1.5 Zone. The proposed project will result in a total floor area of approximately 42,137 square feet with an F.A.R. of 1.87 to 1. The Project has design elements that are compatible with existing and future developments on neighboring properties. Neighboring properties range in height from one- to two-stories. Neighboring residential properties to the north are generally one to two story multi-family dwellings. To the west, neighboring residential properties are one to two story single-family dwellings. Approximately 900 feet to the east of the site at Chandler Boulevard and Tujunga Avenue, there is a seven-story 76-foot in height mixed-use building. With the project's existing zoning,

buildings could be developed to a height of 45 feet and an F.A.R of 1.5 to 1. The project's design and setbacks will help reduce perceived massing, creating a more pedestrian oriented project that will be compatible with existing and future development on neighboring properties.

Setbacks:

The setbacks applicable to the project are established initially under Section 12.11.5 of the LAMC, wherein a 5-foot front yard setback is required, no side yard is required for the ground floor portion of buildings when used for commercial purposes, otherwise a 5-foot setback is required, and a rear yard of not less than 5 feet in depth, since the property is not located adjacent to the RD or more restrictive zone. The project site plan (Exhibit "A") dated August 14, 2017 complies with the proposed RAS4 zone's yard requirements.

Off-street Parking, Bicycle Parking, and Driveways:

The project is required to provide 72 automobile parking spaces along with 66 bicycle parking spaces. The Bicycle Parking Ordinance allows the project to replace up to 15 percent of required automobile parking by utilizing swapping at a ratio of one automobile parking space per four bicycle parking spaces. The applicant has utilized this provision in the Bicycle Parking Ordinance to provide 62 vehicle parking spaces and 66 bicycle parking spaces (60 long term and 6 short term spaces).

Ingress/egress to the project site's subterranean garage will be from the northern adjoining alley. Per Exhibit "A", short term bicycle parking will be provided on the ground floor at the main pedestrian entrance off of Chandler Boulevard in a manner to allow convenient access for bicyclists entering and leaving the site.

Lighting:

Lighting will be provided per LAMC requirements. The project is conditioned to require outdoor lighting to shine downward, be installed with shielding, and be directed onto the project site, so that the light source does not directly illuminate any adjacent properties or the above night skies.

On-Site Landscaping:

The project is in compliance with Section 12.21-G of the LAMC. Per Exhibit "A", the project will include new street trees at the ground level, along the building frontage, as well as on the ground level courtyard and fourth-floor rooftop "pool deck." The plant pallet includes Pacific Madrone, Western Redbud, California Sycamore, Yarrow, California Encelia, Birds Foot Fern, Holy Leaf Cherry, White Sage, and Sky Rocket Fountain Grass. Additionally, all other open areas not used for buildings, driveways, parking areas, recreational facilities or walkways are to be landscaped and maintained in accordance with a landscape plan to be approved by the Director of Planning or their designee.

**5. That any residential project provides recreational and service amenities in order to improve habitability for the residents and minimize impacts on neighboring properties.**

The project is required to provide 6,000 square feet of open space throughout the site, including within both common and private open space areas. The proposed project includes 6,005 square feet of open space throughout the site, including within both common and private open space areas, exceeding code requirements. Common open space areas consist of a courtyard and roof patio. Private open space consists of individual unit balconies. Therefore,

the proposed project provides recreational and service amenities in order to improve habitability for the residents and minimize impacts on neighboring properties.

### **Environmental Findings**

5. **Environmental Finding.** A Mitigated Negative Declaration (ENV-2016-4494-MND) was prepared for the proposed project. The MND was circulated for public review from May 18, 2017 to June 7, 2017. During the review period, the Department of City Planning did not receive any comment letters. The MND, under Land Use/Planning, originally required the project to install an air filtration system with a MERV rating of 12, to the satisfaction of the Department of Building and Safety. However, on June 4, 2016, Ordinance No. 182,245 became effective, which implements building standards and requirements to address cumulative health impacts resulting from incompatible land use patterns within the City of Los Angeles. This Ordinance updated Los Angeles Municipal Code Section (LAMC) 99.04.504.6 to require “mechanically ventilated buildings within 1,000 feet of a freeway, provide regularly occupied areas of the building with air filtration media for outside and return air that provides a Minimum Efficiency Reporting Value (MERV) of 13.” The Ordinance also requires that filters be installed prior to occupancy, and recommendations for maintenance with filters of the same value be included in the operation and maintenance manual. Therefore Mitigation Measure X-60 from ENV-2016-4494-MND has been deleted as the project is subject to current LAMC regulations, which requires a minimum MERV 13 air filtration system. The regulatory compliance list in the Mitigation Monitoring Program has been updated to include RC-AQ-9 to capture this change in regulatory compliance. On the basis of the whole of the record before the lead agency including any comments received, the lead agency finds that, with imposition of the mitigation measures described in the MND there is no substantial evidence that the proposed project will have a significant effect on the environment. The lead agency further finds that the attached Mitigated Negative Declaration reflect the lead agency’s independent judgment and analysis; and the mitigation measures have been made enforceable conditions on the project. The records upon which this decision is based are with the Environmental Review Section of the Planning Department in Room 750, 200 North Spring Street.
6. **Flood Insurance.** The National Flood Insurance Program rate maps, which are a part of the Flood Hazard Management Specific Plan adopted by the City Council by Ordinance No. 172,081, have been reviewed and it has been determined that this project is located in Zone C, areas of minimal flooding.

## PUBLIC HEARING AND COMMUNICATIONS

### Hearing:

The public hearing was held on June 6, 2017 at the Marvin Braude Building, First Floor Conference Room. There were 14 people in attendance including the applicant's representative, the project architect, the developer, community members, and a representative from Council District 2.

The applicant's representative, Jerome Buckmelter, described the project and requests. The project will provide new residential units targeted at artists. The unit mix includes 25 lofts and 35 studio units. The project site is within close proximity to the North Hollywood Arts District and the Metro Orange and Red Lines.

Community members spoke in opposition to the request. Concerns were expressed regarding increased traffic, lack of street parking, and insufficient on-site vehicle parking. Staff also raised concerns regarding insufficient renderings, the need for more articulation along the building's alley frontage (northern façade), EV charging, and solar panels.

Community members asserted that the 60-unit project would increase traffic and cited insufficient roadway width as a primary factor for congested streets in the area. The provision of 62 vehicular parking spaces was also seen as insufficient. Community members attributed the need for more parking spaces at the project to the potential high cost of rent, necessitating the need for two income households with the presumptive need for two cars, and potential resident art exhibits drawing large crowds to the area. Concerns were also raised regarding parking impacts stemming from the neighborhood's proximity to Metro's Red Line and Orange Line stations.

Council Office concurred with planning staff's request to see additional project renderings, particularly along the northern facade. Council Office noted that they would like for the applicant to provide additional parking and stated that the applicant is providing their code required parking and cannot be forced to provide more parking than required. Regarding insufficient street parking, the Council Office was open to the idea to create a permit parking district to help discourage transit customers from parking in residential areas. Staff noted that a permit parking district is outside the purview of the City Planning Commission and is not a part of the current planning case. Council Office also stated that the applicant would reserve six total units for affordable housing (three moderate income and three low income).

Jerome Buckmelter, the applicant's representative, responded to the questions and concerns raised from the testimony received during the hearing. In reviewing the facts of the case, he noted the following:

- Roadway width is adequate as BOE is not requiring any additional roadway widening.
- Metro related parking impacts on the neighborhood needs to be addressed, but is outside the scope of this project.
- Traffic assessment approved by DOT. Project will comply with mitigation measures identified in the traffic assessment.
- Project is providing code required parking. Project's location near mass transit and bicycle facilities provides mobility options for residents and visitors
- While the project is not subject to Measure JJJ, the applicant will provide six affordable units.
- Additional renderings will be provided
- EV Parking and solar will be added

The Hearing Officer announced on the record that the City Planning Commission decision meeting will be held on August 24, 2017 and that notices would be mailed out to interested parties that signed in on the “sign-in sheet.”

**Written Communication:**

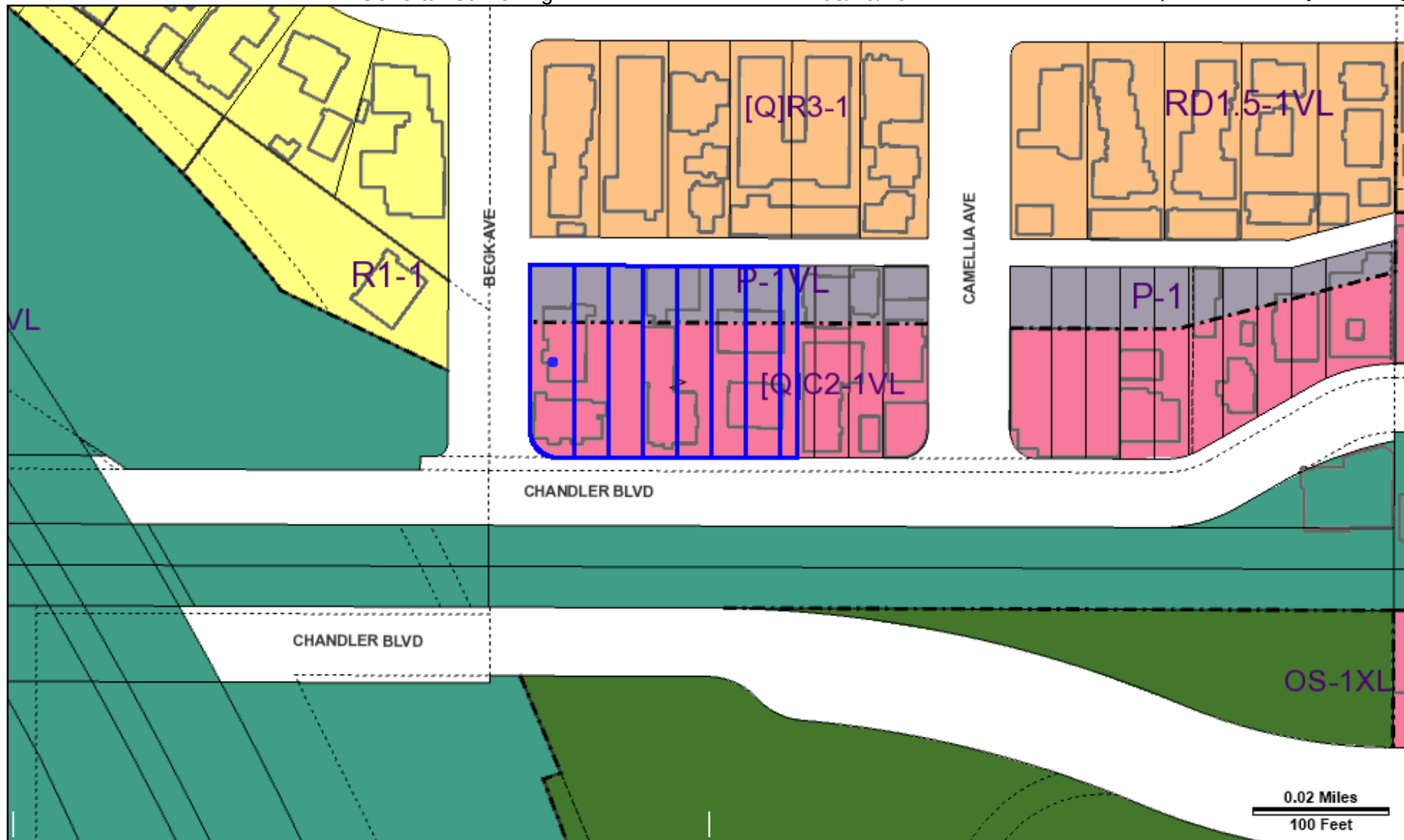
**Los Angeles County Metropolitan Transportation Authority (Metro):** A letter dated June 6, 2017 was received from Metro conveying recommendations concerning the project's proximity to Metro facilities. The letter notes that the project site is Orange Line adjacent and that the project should be aware of the following: buses may run up to 24 hours, daily with up to 4 min peak intervals; 5-foot minimum setback from Metro ROW; noise easement deed requirement; note that the ROW can be converted to rail in the future; etc.

Staff received three letters dated June 6, 2017 from community members in opposition to the project. They expressed the following concerns; lack of on-street parking, negative impacts from transit riders parking in the area, the need for a preferred parking district, etc. The community members stated that the project should provide “realistic” on-site parking. Parking impacts from surrounding businesses have made it difficult for guests to park or for placement of trash bins.

Staff received a letter dated May 17, 2016 in opposition to the request. The letter noted that the site's current zoning was designed to protect increases in street traffic and the current limited parking in the neighborhood. They felt that the project was not providing enough on-site parking. They also expressed concerns over security at the now vacant site. The resident requests that the present zoning at the site remain intact.

**Mid-Town North Hollywood Neighborhood Council:** In a letter dated March 9, 2017, the Mid-Town-North Hollywood Neighborhood Council voted in favor of the Vesting Zone Change request at 11509-11531 Chandler Boulevard from [Q]C2-1VL to (T)(Q)RAS4-1VL.

**MAPS A**  
**ZIMAS MAP**



Address: 5410 N BECK AVE

APN: 2350010016

PIN #: 171B169 52

Tract: TR 8332

Block: None

Lot: 48

Arb: None

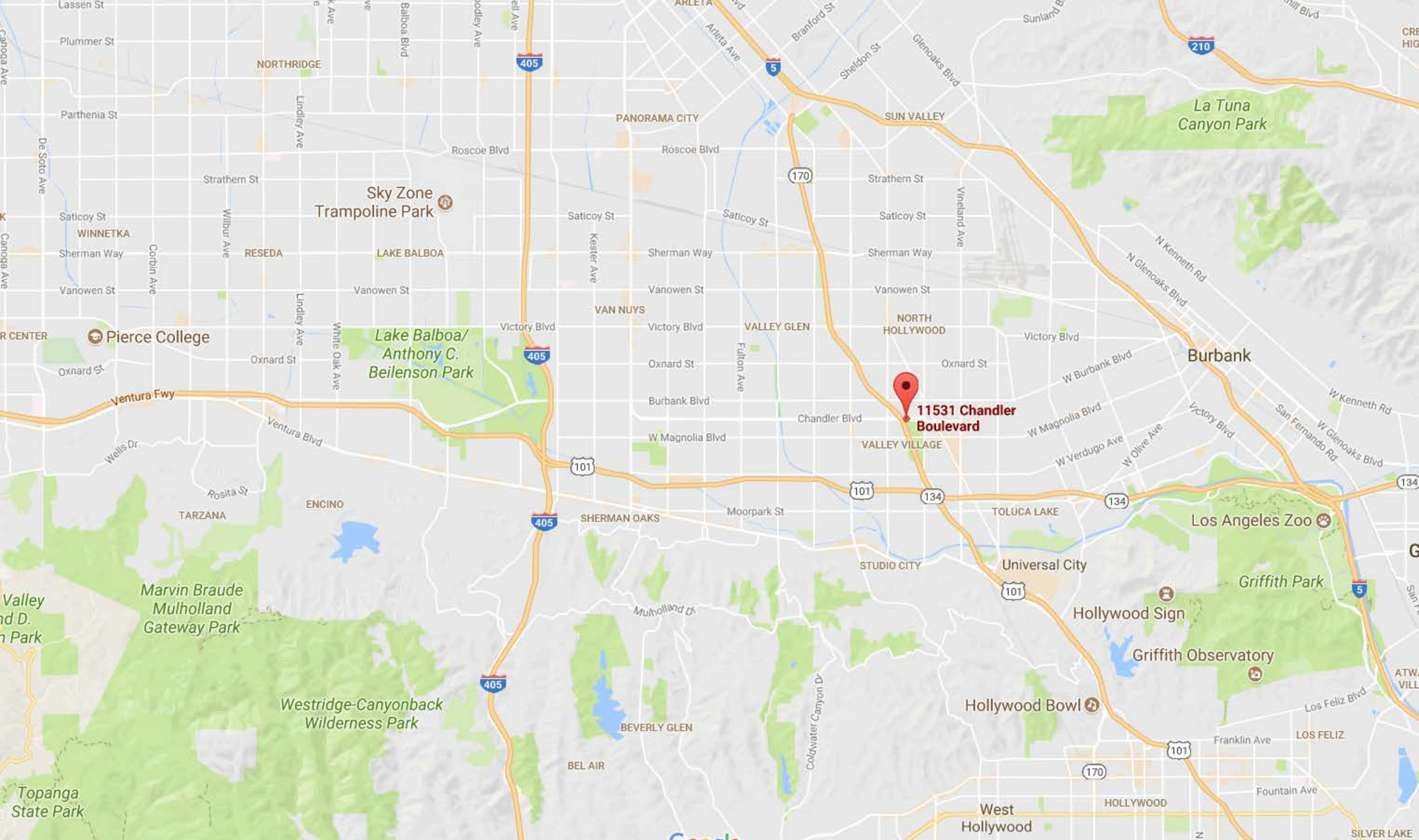
Zoning: [Q]C2-1VL, P-1VL

General Plan: Neighborhood Office Commercial





**MAPS B**  
**Vicinity Map**



**11531 Chandler  
Boulevard**

Sky Zone  
Trampoline Park

Lake Balboa/  
Anthony C.  
Beilenson Park

La Tuna  
Canyon Park

Burbank

Los Angeles Zoo

Griffith Park

Hollywood Sign

Griffith Observatory

Hollywood Bowl

West  
Hollywood

Marvin Braude  
Mulholland  
Gateway Park

Westridge-Canyonback  
Wilderness Park

Topanga  
State Park

Pierce College

PANORAMA CITY

SUN VALLEY

VAN NUYS

VALLEY GLEN

NORTH  
HOLLYWOOD

SHERMAN OAKS

STUDIO CITY

Universal City

BEVERLY GLEN

BEL AIR

LOS FELIZ

HOLLYWOOD

RESEDA

TARZANA

ENCINO

Mulholland Dr

Coldwater Canyon Dr

Fountain Ave

SILVER LAKE

## **EXHIBIT A**

### **Plans**



NORTH HOLLYWOOD, CALIFORNIA 91601  
KAMRAN TABRIZI ARCHITECT & ASSOCIATES

21731 AMBAR DR.  
WOODLAND HILLS CA. 91364  
TEL. (818) 888-6365  
FAX: (818) 888-6725

OWNER:  
CHANDLER ART CENTER LLC  
12725 VENTURA BLVD.  
SUITE #D  
STUDIO CITY, CA 91604

# APPROVALS & REQUIREMENTS

---

PLAN CHECK FILE NO:

APPLICABLE BUILDING CODES:

2014 CITY OF LOS ANGELES BUILDING CODE

NOTE: THIS PROJECT SHALL COMPLY W/ ALL APPLICABLE BLDG. CODES.

PROVIDE TWO WAY RADIO COVERAGE COMPLYING WITH LAFC SECTION 510  
AND CITY OF LA REQUIREMENT #105.

### GARAGE PLAN SHEET NOTES

| FLOOR AREA PER BUILDING CODE |     |               |                  |             |
|------------------------------|-----|---------------|------------------|-------------|
| RESIDENTIAL LIVING AREA:     |     |               | OCCUPANT<br>LOAD |             |
| FIRST FLOOR                  | V-A | R-2 OCCUPANCY | 77               | 15,345 S.F. |
| SECOND FLOOR                 | V-A | R-2 OCCUPANCY | 54               | 10,800 S.F. |
| THIRD FLOOR                  | V-A | R-2 OCCUPANCY | 74               | 14,808 S.F. |
| FOURTH FLOOR                 | V-A | R-2 OCCUPANCY | 27               | 5,424 S.F.  |
| TOTAL                        |     |               | 232              | 46,377 S.F. |
| GARAGE AREA:                 | 1-A | S-2 OCCUPANCY | 123              | 24,571 S.F. |

| ZONING FLOOR AREA PER LAMC 12.03 |                                                   |                              |                                 |                                                        |                              |
|----------------------------------|---------------------------------------------------|------------------------------|---------------------------------|--------------------------------------------------------|------------------------------|
|                                  | GROSS AREA<br>OUT TO OUT<br>BUILDING<br>DIMENSION | AREA OF<br>EXTERIOR<br>WALLS | AREA OF<br>OPENINGS TO<br>BELOW | AREA OF<br>STAIRWAYS ,<br>ELEVATORS &<br>MECH<br>ROOMS | ZONING<br>CODE FLOOR<br>AREA |
| FIRST FLOOR                      | 15,345 S.F.                                       | 620 S.F.                     |                                 | 440 S.F.                                               | 14,285 S.F.                  |
| SECOND FLOOR                     | 10,800 S.F.                                       | 620 S.F.                     |                                 | 440 S.F.                                               | 9,740 S.F.                   |
| THIRD FLOOR                      | 14,808 S.F.                                       | 620 S.F.                     |                                 | 440 S.F.                                               | 13,748 S.F.                  |
| FOURTH FLOOR                     | 5,424 S.F.                                        | 620 S.F.                     |                                 | 440 S.F.                                               | 4,364 S.F.                   |
| TOTAL                            | 46,377 S.F.                                       |                              |                                 |                                                        | 42,137 S.F.                  |

|                                                                                                                                                                             |                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>ARCHITECT</b><br><b>KAMRAN TABRIZI ARCHITECT &amp; ASSOCIATES</b><br>21213 AMBAR DRIVE<br>WOODLAND HILLS, CALIFORNIA 91364<br>TEL: (818) 828-6365<br>FAX: (818) 828-6725 | <b>STRUCTURAL ENGINEER</b><br><b>NAIM AND ASSOCIATES</b><br>12340 SANTA MONICA BLVD. #210<br>LOS ANGELES, CA 90025<br>(310) 826-0041 |
| <b>DEVELOPER</b><br><b>CHANDLER ART CENTER LLC</b><br>12725 VENTURA BLVD. SUITE D<br>STUDIO CITY, CA 91604<br>TEL: (823) 371-0061                                           | <b>SOILS ENGINEER</b><br><b>ADVANCED GEOTECHNIQUES</b><br>34671 OCEAN VIEW BLVD.<br>GLENDALE, CA 91208<br>(818) 544-0330             |

|              |    |
|--------------|----|
| SHEET TITLE  |    |
| TITLE SHEET  |    |
| SHEET NUMBER | TS |

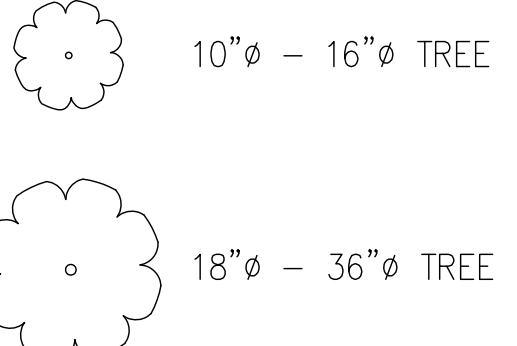


A.L.T.A./A.C.S.M.  
LAND TITLE SURVEY

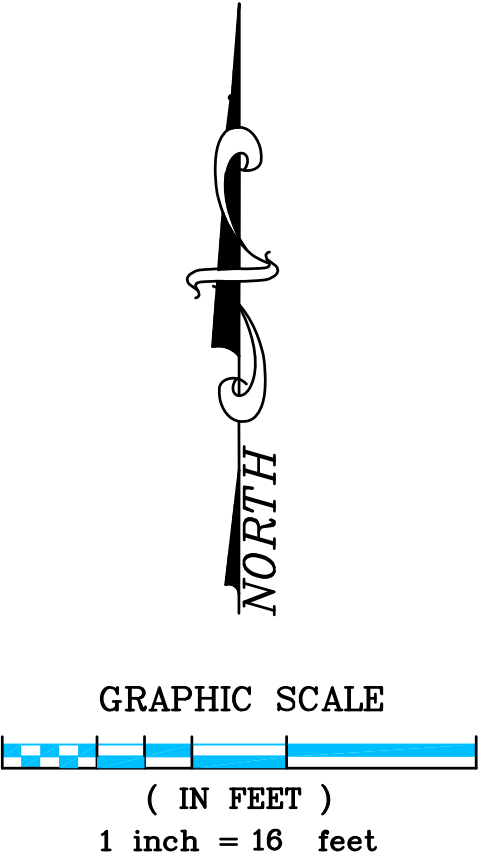
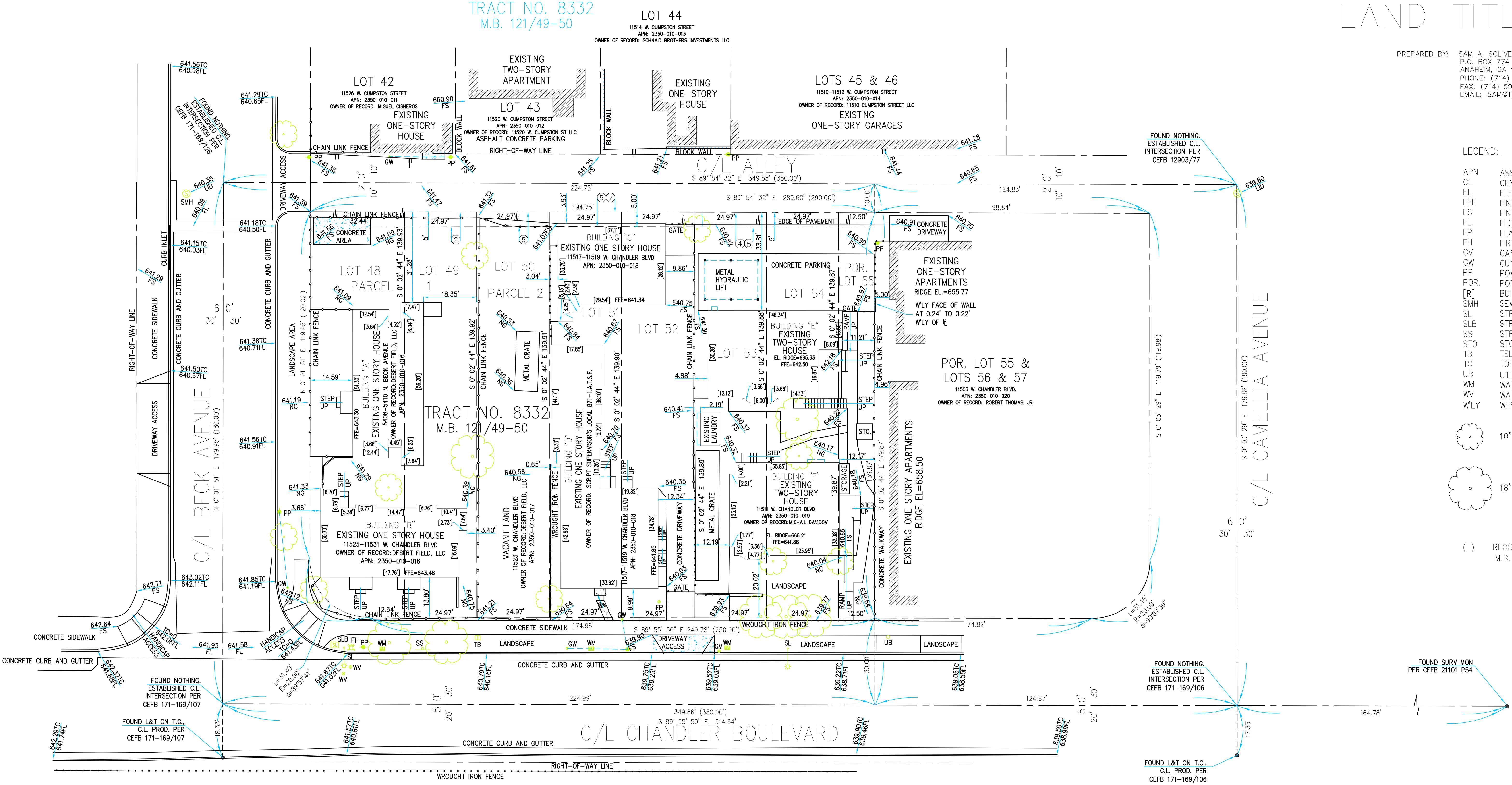
PREPARED BY: SAM A. SOLIVEN, P.L.S.  
P.O. BOX 774  
ANAHEIM, CA 92815  
PHONE: (714) 376-7123  
FAX: (714) 599-9848  
EMAIL: SAM@THELANDSURVEYOR.COM

LEGEND:

- |      |                            |
|------|----------------------------|
| APN  | ASSESSOR'S PARCEL NUMBER   |
| CL   | CENTERLINE                 |
| EL   | ELEVATION                  |
| FFE  | FINISHED FLOOR ELEVATION   |
| FS   | FINISHED SURFACE           |
| FL   | FLOW LINE                  |
| FP   | FLAG POLE                  |
| FH   | FIRE HYDRANT               |
| GV   | GAS VALVE                  |
| GW   | GUY WIRE                   |
| PP   | POWER POLE                 |
| POR. | PORTION                    |
| [R]  | BUILDING DIMENSION         |
| SMH  | SEWER MANHOLE              |
| SL   | STREET LIGHT               |
| SLB  | STREET LIGHT BOX           |
| SS   | STREET SIGN                |
| STO  | STORAGE                    |
| TB   | TELEPHONE BOX              |
| TC   | TOP OF CURB                |
| UB   | UTILITY BOX (UNIDENTIFIED) |
| WM   | WATER METER                |
| WV   | WATER VALVE                |
| WLY  | WESTERLY                   |



( ) RECORD OR CALCULATED PER TRACT NO. 8332,  
M.B. 121/49-50





A.L.T.A./A.C.S.M.  
LAND TITLE SURVEY

PREPARED BY:

SAM A. SOLIVEN, P.L.S.  
P.O. BOX 774  
ANAHEIM, CA 92815  
PHONE: (714) 376-7123  
FAX: (714) 599-9848  
EMAIL: SAM@THELANDSURVEYOR.COM

SURVEYOR'S CERTIFICATION:

TO: DESERT FIELD LLC, A CALIFORNIA LIMITED LIABILITY COMPANY (APN:2350-010-016 & 2350-010-017)

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 6(b), 7(a), 7(b)(1), 7(c), 8, 9, 10(a), 11(a), 13, 16, 17, 18, 19 AND 20(a) OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON APRIL, 2015.

TO: SCRIPT SUPERVISOR'S LOCAL 871-I.A.T.S.E. (APN:2350-010-018)

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 6(b), 7(a), 7(b)(1), 7(c), 8, 9, 10(a), 11(a), 13, 16, 17, 18, 19 AND 20(a) OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON APRIL, 2015.

TO: MIKHAIL DAVIDOV (APN:2350-010-019)

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 6(b), 7(a), 7(b)(1), 7(c), 8, 9, 10(a), 11(a), 13, 16, 17, 18, 19 AND 20(a) OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON NOVEMBER, 2015.

DATE OF MAP: \_\_\_\_\_

SAM A. SOLIVEN  
L.S. 8269  
EXP. 12/31/2017

NOTE:

ITEM 16 - THERE ARE NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS ON THE SUBJECT PROPERTY.

ITEM 17 - THERE IS NO PROPOSED CHANGE IN STREET RIGHT OF WAY LINES AND AVAILABLE FROM THE CONTROLLING JURISDICTION. THERE ARE NO OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.

ITEM 18 - THERE ARE NO OBSERVED EVIDENCE OF THE SUBJECT PROPERTY USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.

ITEM 19 - THE SUBJECT PROPERTY IS NOT LOCATED IN AN AREA DESIGNATED AS A WETLANDS AREA OR OTHER ENVIRONMENTAL PROTECTION AREA BY ANY FEDERAL, STATE OR LOCAL GOVERNMENTAL BODY.

OWNERS OF RECORD:

DESERT FIELD LLC  
660 SOUTH FIGUEROA STREET  
LOS ANGELES, CA 90017  
(APN:2350-010-016 & APN:2350-010-017)

SCRIPT SUPERVISOR'S LOCAL 871-I.A.T.S.E.  
11519 CHANDLER BOULEVARD  
NORTH HOLLYWOOD, CA 91601  
(APN:2350-010-018)

MIKHAIL DAVIDOV  
603 N. DOHENY DR. APT 1  
BEVERLY HILLS, CA 90210  
(APN:2350-010-019)

PREPARED FOR:

MANNY KOZAR  
12725 VENTURA BOULEVARD, SUITE D  
STUDIO CITY, CA 91604

AREA SUMMARY:

TOTAL LAND AREA (APN:2350-010-016 )= 7,959.62 S.F. = 0.18 ACRES  
TOTAL LAND AREA (APN:2350-010-017 )= 3,493.65 S.F. = 0.08 ACRES  
TOTAL LAND AREA (APN:2350-010-018 )= 6,986.60 S.F. = 0.16 ACRES  
TOTAL LAND AREA (APN:2350-010-019 )= 8,734.03 S.F. = 0.20 ACRES

BUILDING "A" (EXTERIOR FOOTPRINTS) = 1,263.17 S.F.  
BUILDING "B" (EXTERIOR FOOTPRINTS) = 1,221.19 S.F.  
BUILDING "C" (EXTERIOR FOOTPRINTS) = 1,078.20 S.F.  
BUILDING "D" (EXTERIOR FOOTPRINTS) = 2,014.24 S.F.  
BUILDING "E" (EXTERIOR FOOTPRINTS) = 1,286.59 S.F.  
BUILDING "F" (EXTERIOR FOOTPRINTS) = 1,216.89 S.F.

LEGAL DESCRIPTION: (APN:2350-010-016 & 2350-010-017)

THE LAND REFERRED HEREIN IS SITUATED IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL 1

LOTS 48 AND 49 OF TRACT NO. 8332, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 121 PAGES 49 AND 50, INCLUSIVE OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

PARCEL 2

LOT 50 OF TRACT NO. 8332, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 121 PAGES 49 AND 50, INCLUSIVE OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

LEGAL DESCRIPTION: (APN:2350-010-018)

THE LAND REFERRED HEREIN IS SITUATED IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

LOTS 51 AND 52 OF TRACT NO. 8332, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 121 PAGES 49 AND 50, INCLUSIVE OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

LEGAL DESCRIPTION: (APN:2350-010-019)

THE LAND REFERRED HEREIN IS SITUATED IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

LOTS 53, 54 AND THE WESTERLY 12.50 FEET OF LOT 55 OF TRACT NO. 8332, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 121 PAGES 49 AND 50, INCLUSIVE OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EASEMENT NOTES: (APN:2350-010-016 & 2350-010-017)

THE FOLLOWING EASEMENTS, STATEMENTS AND MATTERS, AS DISCLOSED IN CHICAGO TITLE COMPANY PRELIMINARY REPORT ORDER NO. 00037339-994-X23, WITH EFFECTIVE DATE OF APRIL 6, 2015, AFFECT THE SUBJECT PROPERTY AND USE OF THE SAME:

ITEMS SHOWN THUS ○ REFER TO THE ITEM NUMBERS LISTED IN THE EXCEPTIONS TO COVERAGE SECTION OF SAID PRELIMINARY REPORT.

① WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT DISCLOSED BY THE PUBLIC RECORDS. (NOT PLOTTABLE)

② EASEMENTS FOR THE PURPOSE SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT:(PLOTTED HEREON)

PURPOSE: PUBLIC UTILITIES  
RECORDING NO.: BOOK 13372, PAGE 9, OF OFFICIAL RECORDS  
AFFECTS: THE REAR 5 FEET OF SAID LAND

③ COVENANTS, CONDITIONS AND RESTRICTIONS BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, INCLUDING BUT NOT LIMITED TO THOSE BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, SOURCE OF INCOME, GENDER, GENDER IDENTITY, GENDER EXPRESSION, MEDICAL CONDITION, OR GENETIC INFORMATION, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS SET FORTH IN THE DOCUMENT. (NOT PLOTTABLE)

RECORDING NO.: BOOK 11499, PAGE 365, OF OFFICIAL RECORDS

④ COVENANTS, CONDITIONS AND RESTRICTIONS BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, INCLUDING BUT NOT LIMITED TO THOSE BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, SOURCE OF INCOME, GENDER, GENDER IDENTITY, GENDER EXPRESSION, MEDICAL CONDITION, OR GENETIC INFORMATION, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS SET FORTH IN THE DOCUMENT.(NOT PLOTTABLE)

RECORDING NO.: BOOK 16480, PAGE 149, OF OFFICIAL RECORDS

⑤ EASEMENTS FOR THE PURPOSE SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT:(PLOTTED HEREON)

PURPOSE: PUBLIC UTILITIES  
RECORDING DATE: JULY 7, 1940  
RECORDING NO.: 1222, OF OFFICIAL RECORDS  
AFFECTS: THE REAR 5 FEET OF PARCEL 2

⑥ COVENANTS, CONDITIONS AND RESTRICTIONS BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, INCLUDING BUT NOT LIMITED TO THOSE BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, SOURCE OF INCOME, GENDER, GENDER IDENTITY, GENDER EXPRESSION, MEDICAL CONDITION, OR GENETIC INFORMATION, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS SET FORTH IN THE DOCUMENT.(NOT PLOTTABLE)

RECORDING NO.: BOOK 18592, PAGE 382, OF OFFICIAL RECORDS

SAID COVENANTS, CONDITIONS AND RESTRICTIONS PROVIDE THAT A VIOLATION THEREOF SHALL NOT DEFEAT THE LIEN OF ANY MORTGAGE OR DEED OF TRUST MADE IN GOOD FAITH FOR VALUE.

AFFECTS: PARCEL 1

⑦ COVENANTS, CONDITIONS AND RESTRICTIONS BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, INCLUDING BUT NOT LIMITED TO THOSE BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, SOURCE OF INCOME, GENDER, GENDER IDENTITY, GENDER EXPRESSION, MEDICAL CONDITION, OR GENETIC INFORMATION, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS SET FORTH IN THE DOCUMENT. (NOT PLOTTABLE)

RECORDING NO.: BOOK 19575, PAGE 74, OF OFFICIAL RECORDS

⑧ THE LAND DESCRIBED HEREIN IS INCLUDED WITHIN A PROJECT OF THE REDEVELOPMENT AGENCY SHOWN BELOW, AND THAT PROCEEDING FOR THE REDEVELOPMENT OF SAID PROJECT HAVE BEEN INSTITUTED UNDER THE REDEVELOPMENT LAW (SUCH REDEVELOPMENT TO PROCEED ONLY AFTER THE THE ADOPTION OF THE REDEVELOPMENT PLAN) AS DISCLOSED BY THIS DOCUMENT. (NOT PLOTTABLE)

REDEVELOPMENT AGENCY: EARTHQUAKE DISASTER ASSISTANCE PROGRAM FOR LAUREL CANYON COMMERCIAL CORRIDOR COUNCIL  
DISTRICT 2 REDEVELOPMENT PROJECT AREA  
RECORDING DATE: NOVEMBER 30, 2007  
RECORDING NO.: 200726364230F OFFICIAL RECORDS

⑨ MATTERS WHICH MAY BE DISCLOSED BY AN INSPECTION AND/OR BY A CORRECT ALTA/ACSM LAND TITLE SURVEY OF SAID LAND THAT IS SATISFACTORY TO THE COMPANY, AND/OR BY INQUIRY OF THE PARTIES IN POSSESSION THEREOF. (NOT PLOTTABLE)

⑩ ANY RIGHTS OF THE PARTIES IN POSSESSION OF A PORTION OF, OR ALL OF, SAID LAND, WHICH RIGHTS ARE NOT DISCLOSED BY THE PUBLIC RECORDS

THE COMPANY WILL REQUIRE, FOR REVIEW A FULL AND COMPLETE COPY OF ANY UNRECORDED AGREEMENT, CONTRACT, LICENSE AND/OR LEASE, TOGETHER WITH ALL SUPPLEMENTS, ASSIGNMENTS AND AMENDMENTS THERETO, BEFORE USING ANY POLICY OF TITLE INSURANCE WITHOUT EXCEPTING THIS ITEM FROM COVERAGE.

THE COMPANY RESERVES THE RIGHT TO EXCEPT ADDITIONAL ITEMS AND/OR MAKE ADDITIONAL REQUIREMENTS AFTER REVIEWING SAID DOCUMENTS. (NOT PLOTTABLE)

⑪ DISCREPANCIES, CONFLICTS IN BOUNDARY LINES, SHORTAGE IN AREA, ENCROACHMENTS, OR ANY OTHER MATTER WHICH A CORRECT SURVEY WOULD DISCLOSE AND WHICH ARE NOT SHOWN BY THE PUBLIC RECORDS. (NOT PLOTTABLE)

⑫ ANY EASEMENTS NOT DISCLOSED BY THE PUBLIC RECORDS AS TO MATTERS AFFECTING TITLE TO REAL PROPERTY, WHETHER OR NOT SAID EASEMENTS ARE VISIBLE AND APPARENT.

EASEMENT NOTES: (APN:2350-010-018)

THE FOLLOWING EASEMENTS, STATEMENTS AND MATTERS, AS DISCLOSED IN CHICAGO TITLE COMPANY PRELIMINARY REPORT ORDER NO. 111505291-JP, WITH EFFECTIVE DATE OF MARCH 23, 2015, AFFECT THE SUBJECT PROPERTY AND USE OF THE SAME:

ITEMS SHOWN THUS ○ REFER TO THE ITEM NUMBERS LISTED IN THE EXCEPTIONS TO COVERAGE SECTION OF SAID PRELIMINARY REPORT.

④ WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT DISCLOSED BY THE PUBLIC RECORDS. (NOT PLOTTABLE)

⑤ EASEMENTS FOR THE PURPOSE SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:(PLOTTED HEREON)

GRANTED TO: CITIZENS NATIONAL TRUST AND SAVINGS BANK OF LOS ANGELES  
PURPOSE: POLE LINES AND PIPE LINES  
RECORDING NO.: BOOK 21372, PAGE 9, OF OFFICIAL RECORDS  
AFFECTS: THE REAR 5 FEET OF SAID LAND

⑥ COVENANTS, CONDITIONS AND RESTRICTIONS BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, INCLUDING BUT NOT LIMITED TO THOSE BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, SOURCE OF INCOME, GENDER, GENDER IDENTITY, GENDER EXPRESSION, MEDICAL CONDITION, OR GENETIC INFORMATION, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS SET FORTH IN THE DOCUMENT. (NOT PLOTTABLE)

RECORDING NO.: BOOK 19575, PAGE 74, OF OFFICIAL RECORDS

SAID COVENANTS, CONDITIONS AND RESTRICTIONS PROVIDE THAT A VIOLATION THEREOF SHALL NOT DEFEAT THE LIEN OF ANY MORTGAGE OR DEED OF TRUST MADE IN GOOD FAITH FOR VALUE.

⑦ EASEMENTS FOR THE PURPOSE SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:(PLOTTED HEREON)

GRANTED TO: CALIFORNIA TRUST COMPANY  
PURPOSE: POLES AND CONDUITS  
RECORDING DATE: SEPTEMBER 1, 1944  
RECORDING NO.: BOOK 21275, PAGE 55, OF OFFICIAL RECORDS  
AFFECTS: THE REAR 5 FEET OF SAID LAND

⑧ COVENANTS, CONDITIONS AND RESTRICTIONS BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, INCLUDING BUT NOT LIMITED TO THOSE BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, SOURCE OF INCOME, GENDER, GENDER IDENTITY, GENDER EXPRESSION, MEDICAL CONDITION, OR GENETIC INFORMATION, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS SET FORTH IN THE DOCUMENT REFERRED TO IN THE NUMBERED ITEM LAST ABOVE SHOWN. (NOT PLOTTABLE)

SAID COVENANTS, CONDITIONS AND RESTRICTIONS PROVIDE THAT A VIOLATION THEREOF SHALL NOT DEFEAT THE LIEN OF ANY MORTGAGE OR DEED OF TRUST MADE IN GOOD FAITH FOR VALUE. (NOT PLOTTABLE)

⑨ THE LAND DESCRIBED HEREIN IS INCLUDED WITHIN A PROJECT OF THE REDEVELOPMENT AGENCY SHOWN BELOW, AND THAT PROCEEDING FOR THE REDEVELOPMENT OF SAID PROJECT HAVE BEEN INSTITUTED UNDER THE REDEVELOPMENT LAW (SUCH REDEVELOPMENT TO PROCEED ONLY AFTER THE THE ADOPTION OF THE REDEVELOPMENT PLAN) AS DISCLOSED BY THIS DOCUMENT. (NOT PLOTTABLE)

REDEVELOPMENT AGENCY: THE COMMUNITY REDEVELOPMENT AGENCY OF THE CITY OF LOS ANGELES  
RECORDING DATE: OCTOBER 1, 1979  
RECORDING NO.: 1979-1095202, OFFICIAL RECORDS

⑩ COVENANT AND AGREEMENT WHEREIN THE OWNERS AGREE TO HOLD SAID LAND AS ONE PARCEL AND NOT TO SELL ANY PORTION THEREOF SEPARATELY. SAID COVENANT IS EXPRESSED TO RUN WITH THE LAND AND BE BINDING UPON FUTURE OWNERS. (NOT PLOTTABLE)

RECORDING DATE: OCTOBER 22, 1985  
RECORDING NO.: 1985-1245081, OFFICIAL RECORDS

REFERENCE IS MAID TO SAID DOCUMENT FOR FULL PARTICULARS

⑪ THE LAND DESCRIBED HEREIN IS INCLUDED WITHIN A PROJECT OF THE REDEVELOPMENT AGENCY SHOWN BELOW, AND THAT PROCEEDING FOR THE REDEVELOPMENT OF SAID PROJECT HAVE BEEN INSTITUTED UNDER THE REDEVELOPMENT LAW (SUCH REDEVELOPMENT TO PROCEED ONLY AFTER THE THE ADOPTION OF THE REDEVELOPMENT PLAN) AS DISCLOSED BY THIS DOCUMENT. (NOT PLOTTABLE)

REDEVELOPMENT AGENCY: THE COMMUNITY REDEVELOPMENT AGENCY OF THE CITY OF LOS ANGELES  
RECORDING DATE: DECEMBER 20, 1994  
RECORDING NO.: 1994-2244492, OFFICIAL RECORDS

⑫ THE LAND DESCRIBED HEREIN IS INCLUDED WITHIN A PROJECT OF THE REDEVELOPMENT AGENCY SHOWN BELOW, AND THAT PROCEEDING FOR THE REDEVELOPMENT OF SAID PROJECT HAVE BEEN INSTITUTED UNDER THE REDEVELOPMENT LAW (SUCH REDEVELOPMENT TO PROCEED ONLY AFTER THE THE ADOPTION OF THE REDEVELOPMENT PLAN) AS DISCLOSED BY THIS DOCUMENT. (NOT PLOTTABLE)

REDEVELOPMENT AGENCY: THE COMMUNITY REDEVELOPMENT AGENCY OF THE CITY OF LOS ANGELES  
RECORDING DATE: NOVEMBER 30, 1995  
RECORDING NO.: 1995-1904107, OFFICIAL RECORDS

EASEMENT NOTES: (APN:2350-010-019)

THE FOLLOWING EASEMENTS, STATEMENTS AND MATTERS, AS DISCLOSED IN CHICAGO TITLE COMPANY PRELIMINARY REPORT ORDER NO. 111516921-JP, WITH EFFECTIVE DATE OF OCTOBER 26, 2015, AFFECT THE SUBJECT PROPERTY AND USE OF THE SAME:

ITEMS SHOWN THUS ○ REFER TO THE ITEM NUMBERS LISTED IN THE EXCEPTIONS TO COVERAGE SECTION OF SAID PRELIMINARY REPORT.

③ WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT DISCLOSED BY THE PUBLIC RECORDS. (NOT PLOTTABLE)

④ EASEMENTS FOR THE PURPOSE SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN A DOCUMENT:(PLOTTED HEREON)

PURPOSE: PUBLIC UTILITIES AND INCIDENTAL PURPOSES  
RECORDING NO.: BOOK 13372, PAGE 9, OF OFFICIAL RECORDS  
AFFECTS: THE REAR 5 FEET OF SAID LAND

⑤ EASEMENTS FOR THE PURPOSE SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:(PLOTTED HEREON)

PURPOSE: PUBLIC UTILITIES AND INCIDENTAL PURPOSES  
RECORDING NO.: BOOK 21411, PAGE 224, OF OFFICIAL RECORDS  
AFFECTS: THE REAR LINE OF LOTS 53 AND 54

⑥ COVENANTS, CONDITIONS AND RESTRICTIONS BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, INCLUDING BUT NOT LIMITED TO THOSE BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, SOURCE OF INCOME, GENDER, GENDER IDENTITY, GENDER EXPRESSION, MEDICAL CONDITION, OR GENETIC INFORMATION, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS SET FORTH IN THE DOCUMENT REFERRED TO IN THE NUMBER ITEM LAST ABOVE SHOWN (NOT PLOTTABLE)

SAID COVENANTS, CONDITIONS AND RESTRICTIONS PROVIDE THAT A VIOLATION THEREOF SHALL NOT DEFEAT THE LIEN OF ANY MORTGAGE OR DEED OF TRUST MADE IN GOOD FAITH FOR VALUE.

⑦ COVENANTS, CONDITIONS AND RESTRICTIONS BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, INCLUDING BUT NOT LIMITED TO THOSE BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, SOURCE OF INCOME, GENDER, GENDER IDENTITY, GENDER EXPRESSION, MEDICAL CONDITION, OR GENETIC INFORMATION, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS SET FORTH IN THE DOCUMENT. (NOT PLOTTABLE)

RECORDING NO.: IN BOOK 17315 PAGE 333, OFFICIAL RECORDS

SAID COVENANTS, CONDITIONS AND RESTRICTIONS PROVIDE THAT A VIOLATION THEREOF SHALL NOT DEFEAT THE LIEN OF ANY MORTGAGE OR DEED OF TRUST MADE IN GOOD FAITH FOR VALUE. (NOT PLOTTABLE)

⑧ COVENANTS, CONDITIONS AND RESTRICTIONS BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, INCLUDING BUT NOT LIMITED TO THOSE BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, SOURCE OF INCOME, GENDER, GENDER IDENTITY, GENDER EXPRESSION, MEDICAL CONDITION, OR GENETIC INFORMATION, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS SET FORTH IN THE DOCUMENT. (NOT PLOTTABLE)

RECORDING NO.: IN BOOK 11499 PAGE 362, OFFICIAL RECORDS

SAID COVENANTS, CONDITIONS AND RESTRICTIONS PROVIDE THAT A VIOLATION THEREOF SHALL NOT DEFEAT THE LIEN OF ANY MORTGAGE OR DEED OF TRUST MADE IN GOOD FAITH FOR VALUE. (NOT PLOTTABLE)

⑩ COVENANT AND AGREEMENT WHEREIN THE OWNERS AGREE TO HOLD SAID LAND AS ONE PARCEL AND NOT TO SELL ANY PORTION THEREOF SEPARATELY. SAID COVENANT IS EXPRESSED TO RUN WITH THE LAND AND BE BINDING UPON FUTURE OWNERS.

RECORDING DATE: OCTOBER 11, 2013  
RECORDING NO.: 13-1467613, OFFICIAL RECORDS

REFERENCE IS MAID TO SAID DOCUMENT FOR FULL PARTICULARS

THIS COVENANT AND AGREEMENT PROVIDES THAT IT SHALL BE BINDING UPON ANY FUTURE OWNERS, ENCUMBRANCES, THEIR SUCCESSORS OR ASSIGNS, AND SHALL CONTINUE IN EFFECT UNTIL THE ADVISORY AGENCY APPROVES TERMINATION.(NOT PLOTTABLE)

⑪ AN INSTRUMENT ENTITLED COVENANT AND AGREEMENT REGARDING MAINTENANCE OF VEHICLE LIFT SYSTEMS- 2 LEVELS

EXECUTED BY: MIKHAIL DAVIDOV  
IN FAVOR OF: CITY OF LOS ANGELES  
RECORDING DATE: OCTOBER 30, 2013  
RECORDING NO.: 13-1549712, OFFICIAL RECORDS

REFERENCE IS MAID TO SAID DOCUMENT FOR FULL PARTICULARS

THIS COVENANT AND AGREEMENT PROVIDES THAT IT SHALL BE BINDING UPON ANY FUTURE OWNERS, ENCUMBRANCES, THEIR SUCCESSORS OR ASSIGNS, AND SHALL CONTINUE IN EFFECT UNTIL THE ADVISORY AGENCY APPROVES TERMINATION.(NOT PLOTTABLE)

⑫ ANY RIGHTS OF THE PARTIES IN POSSESSION OF A PORTION OF, OR ALL OF, SAID LAND, WHICH RIGHTS ARE NOT DISCLOSED BY THE PUBLIC RECORDS

THE COMPANY WILL REQUIRE, FOR REVIEW A FULL AND COMPLETE COPY OF ANY UNRECORDED AGREEMENT, CONTRACT, LICENSE AND/OR LEASE, TOGETHER WITH ALL SUPPLEMENTS, ASSIGNMENTS AND AMENDMENTS THERETO, BEFORE USING ANY POLICY OF TITLE INSURANCE WITHOUT EXCEPTING THIS ITEM FROM COVERAGE.

THE COMPANY RESERVES THE RIGHT TO EXCEPT ADDITIONAL ITEMS AND/OR MAKE ADDITIONAL REQUIREMENTS AFTER REVIEWING SAID DOCUMENTS. (NOT PLOTTABLE)

⑬ MATTERS WHICH MAY BE DISCLOSED BY AN INSPECTION AND/OR BY A CORRECT ALTA/ACSM LAND TITLE SURVEY OF SAID LAND THAT IS SATISFACTORY TO THE COMPANY, AND/OR BY INQUIRY OF THE PARTIES IN POSSESSION THEREOF.

AN INSPECTION OF THE LAND HAS BEEN ORDERED; UPON ITS COMPLETION THE COMPANY RESERVES THE RIGHT TO EXCEPT ADDITIONAL ITEMS AND/OR MAKE ADDITIONAL REQUIREMENTS.(NOT PLOTTABLE)

ZONING INFORMATION:

(INFORMATION BY PLANNING DEPARTMENT, CITY OF LOS ANGELES)  
TEL. 213-482-7077

ZONING: [Q] C2-1VL (COMMERCIAL)  
P-1VL (AUTOMOBILE PARKING)

GEN. PLAN LAND USE: NEIGHBORHOOD OFFICE COMMERCIAL

EXISTING USE: RESIDENCE

DENSITY REQUIREMENT: 1.5:1 FAR ([Q] C2-1VL ZONE)  
NONE (P-1VL ZONE)

MAXIMUM BUILDING HEIGHT: 45 FEET OR 3 STORIES ([Q] C2-1VL ZONE)  
NONE (P-1VL ZONE)

BUILDING SETBACK REQUIREMENTS: ([Q] C2-1VL ZONE)

FRONT YARD - NOT REQUIRED.

SIDE AND REAR YARDS - NOT REQUIRED FOR BUILDINGS ERECTED AND USED EXCLUSIVELY FOR COMMERCIAL PURPOSES.

BUILDING SETBACK REQUIREMENTS: (P-1VL ZONE)

FRONT YARD - 10 FEET IN COMBINATION WITH AN A OR R ZONE, OTHERWISE NONE

SIDE AND REAR YARDS - NOT REQUIRED.

NOTE: ANY FUTURE REBUILD MUST BE CONSULTED WITH THE CITY OF LOS ANGELES PLANNING DEPARTMENT.

BASIS OF BEARINGS:

THE CENTERLINE BEARING OF CHANDLER BOULEVARD, BEING S 89° 55' 50" E, AS PER TRACT NO. 8332, MAP BOOK 121 PAGES 49 TO 50, WAS USED AS THE BASIS OF BEARINGS SHOWN HEREON.

BASIS OF ELEVATION:

STRUCTURE I.D.: 42709141  
I.D. ELEVATION: 639.60 FEET  
LAST UPDATE: 6/29/2012  
LOCATION: CAMELLIA AVENUE AND ALLEY N/O CHANDLER BOULEVARD

FLOOD\_ZONE INFORMATION:

SUBJECT PROPERTY IS IN ZONE "X" AREA OUTSIDE 1-PERCENT ANNUAL CHANCE OF FLOOD PLAN.

FEMA PANEL NO: 06037C1320F

EFFECTIVE DATE: 09/26/2008

THE ABOVE STATEMENT IS FOR INFORMATION ONLY AND THIS SURVEYOR ASSUMES NO LIABILITY FOR THE CORRECTNESS OF THE CITED MAP(S). IN ADDITION, THE ABOVE STATEMENT DOES NOT REPRESENT THIS SURVEYOR'S OPINION OF THE PROBABILITY OF FLOODING.



| ARCHITECTURAL SITE PLAN SHEET NOTES |                                                                                                                                                                                                                                                             |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                                  | ARCHITECTURAL SITE PLAN IS FOR BUILDING DEPARTMENT REFERENCE ONLY. REFER TO SURVEY, CIVIL AND LANDSCAPE PLANS FOR ALL INFORMATION.                                                                                                                          |
| 2.                                  | REFER TO CIVIL, MECHANICAL, PLUMBING, ELECTRICAL, UTILITY AND LANDSCAPE PLANS FOR HORIZONTAL AND VERT. CONTROLS CONTROLS, SITE DRAINAGE, SITE ACCESSIBILITY, SITE UTILITIES AND ADDITIONAL INFORMATION.                                                     |
| 3.                                  | REFER TO LANDSCAPE PLANS FOR PLANTER AND PLANTER DRAIN LOCATIONS.                                                                                                                                                                                           |
| 4.                                  | NOT USED                                                                                                                                                                                                                                                    |
| 5.                                  | A REGISTERED DEPUTY GRADING INSPECTOR IS REQUIRED FOR ALL ON SITE SHORING WORK INCLUDING SLOT CUTS.                                                                                                                                                         |
| 6.                                  | SHORING REQUIRES CONTINUOUS INSPECTION BY THE SOILS ENGINEER(S) ON-SITE                                                                                                                                                                                     |
| 7.                                  | RETAINING WALLS LOCATED CLOSER TO THE PROPERTY LINE THAN THE HEIGHT OF THE WALL SHALL BE BACKFILLED NOT LATER THAN 10 DAYS AFTER CONSTRUCTION OF THE WALL AND NECESSARY STRUCTURAL SUPPORTING MEMBERS UNLESS RECOMMENDED OTHERWISE BY RESPONSIBLE ENGINEER. |
| 8.                                  | LOCATE THE PERIMETER WALLS/RETAINING WALLS MINIMUM 4' AWAY FROM THE PROPERTY LINE TO ACCOMMODATE THE PLACEMENT OF THE SUB-DRAIN DEVICE (CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION)                                                                         |
| 9.                                  | PROVIDE AN APPROVED OUTLET STRUCTURE FOR ALL DOWN DRAINS. STRUCTURES TO HAVE VELOCITY REDUCERS, DIVERSION WALLS, RIP-VRAP, AND CONCRETE APRONS.                                                                                                             |
| 10.                                 | CONCENTRATED DRAINAGE TO BE DISCHARGED INTO AN APPROVED LOCATION. (DRAINAGE REQUIRED INTO STREET, NATURAL WATERCOURSE IS NOT ALLOWED.                                                                                                                       |
| 11.                                 | ENTIRE FACILITY SHALL COMPLY WITH THE CALIFORNIA BUILDING CODE FOR ACCESSIBILITY. WHEN CONFLICTS EXIST BETWEEN THE ADA AND THE CALIFORNIA BUILDING CODE THE STANDARD THAT PROVIDES THE GREATEST DEGREE OF ACCESSIBILITY SHALL COMPLY.                       |
| 12.                                 | INSTALL WITHIN PROJECT AN AIR INFILTRATION SYSTEM (EITHER CHARCOAL OR ELECTRONIC) TO REDUCE AIR QUALITY EFFECTS ON THE PROJECT RESIDENTS.                                                                                                                   |
| 13.                                 | MAIL BOX EQUIPMENT SHALL BE PROVIDED BY GENERAL CONTRACTOR AT A LOCATION APPROVED BY US POSTAL SERVICE. MAIL BOXES SHALL MEET ACCESSIBILITY STANDARDS.                                                                                                      |
| 14.                                 | PROJECT SITE DIRECTORY SHALL BE PROVIDED BY GENERAL CONTRACTOR AS REQUIRED BY LOCAL FIRE DEPARTMENT REG. AND APPROVED BY OWNER.                                                                                                                             |
| ARCHITECTURAL SITE PLAN KEY NOTES   |                                                                                                                                                                                                                                                             |
| 1                                   | 100% OF HARDScape SHALL HAVE A SOLAR REFLECTANCE VALUE OF AT LEAST 0.30 AS DETERMINED PER ASTM E918 OR ASTM C1549. DE-XO-TEX OR EQUAL. R-9. #02060                                                                                                          |
| 2                                   | INDICATES LINE OF BALC./BLDG. ABOVE.                                                                                                                                                                                                                        |
| 3                                   | 3'-6" HIGH MAX. CMU FENCE WALL AT FRONT YARD SET BACK. REFER TO ELEVATIONS INDICATED ON THE PLANS.                                                                                                                                                          |
| 4                                   | 8" THICK COLORED SLUMP BLOCK OR DECORATIVE COLORED CONC. BLOCK WALL.                                                                                                                                                                                        |
| 5                                   | INDICATES APPROX. DECK DRAIN LOCATION. REFER TO CIVIL & LANDSCAPE PLANS FOR ACTUAL NUMBER, LOCATION AND ELEV. OF AREA DRAINS.                                                                                                                               |
| 6                                   | PLANTER WALL. (SEE LANDSCAPE PLANS FOR PLANTER DRAIN LOCATIONS AND ADDITIONAL COURTYARD PLANTERS).                                                                                                                                                          |
| 7                                   | INDICATES LOCATION OF ELEC. TRANSFORMER.                                                                                                                                                                                                                    |
| 8                                   | INDICATES DOOR LANDING AREA SLOPED 1/8"FT. AWAY FROM DOOR. FOR ADDITIONAL INFORMATION REFER TO SHEETS GN.1 & GN.2                                                                                                                                           |
| 9                                   | INDICATES WATER CURTAIN SPRINKLER SYSTEM IS INSTALLED OVER EA. OPENING. FOR ADDITIONAL INFORMATION REFER TO IS1 FLR. BLDG PLAN                                                                                                                              |
| 10                                  | DRIVEWAY. REFER TO GARAGE PLAN FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                  |
| 11                                  | NOT USED.                                                                                                                                                                                                                                                   |
| 12                                  | 3' WIDE 6' HIGH GALV. METAL SECURITY GATE WITH 10" THICK PLATE.                                                                                                                                                                                             |
| 13                                  | INDICATES GUARDRAIL. TO GUARDRAIL AT 3'-6" ABOVE ADJACENT FINISH FLOOR.                                                                                                                                                                                     |
| 14                                  | FIRE DEPARTMENT CONNECTION.                                                                                                                                                                                                                                 |
| 15                                  | 6'-0" HIGH CONC. BLK. WALL                                                                                                                                                                                                                                  |
| 16                                  | ADDITIONAL SERVICE CAPACITY. SPACE FOR FUTURE METER, AND CONDUIT FOR FUTURE INSTALLATION OF ELECTRICAL OUTLETS.                                                                                                                                             |
| 17                                  | GAS SHUTVALVE.(C.C.R., TITLE 19)                                                                                                                                                                                                                            |
| 18                                  | SHORT TERM BICYCLE PARKING                                                                                                                                                                                                                                  |

[illegible] ACCESSIBLE BUILDING

OWNER:  
CHANDLER ART CENTER LLC  
12725 VENTURA BLVD.  
SUITE #D  
STUDIO CITY, CA 91604

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND  
COPYRIGHT OF THE ARCHITECT AND SHALL NOT BE USED ON AN  
OTHER WORK EXCEPT BY AGREEMENT WITH THE ARCHITECT.  
WRITTEN DIMENSIONS TAKE PREFERENCE OVER SCALED DIMENSIONS  
AND SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY  
SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECT PRIOR  
COMMENCEMENT OF ANY WORK.

[illegible]

|            |            |
|------------|------------|
| CHECKED BY | DATE       |
| DRAWN BY   | JOB NUMBER |

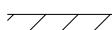
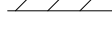
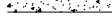
SHEET TITLE

## SITE PLAN

SHEET NUMBER

## AS.2



| SHEET LEGEND                                                                      |                                      |
|-----------------------------------------------------------------------------------|--------------------------------------|
|   | CMU WALL                             |
|  | CAST IN PLACE CONC. WALL/C.G.        |
|  | NOTES CEILING HT.                    |
|  | EXIT SIGN PER C.B.C. SEC. SEC. 1011. |
|  | INDICATES MIN. 6'-2\"                |

## PARKING SUMMARY

## RESIDENCE REQUIRED PARKING:

3 HABITABLE ROOMS - 25 UNITS X 1.5 = 37.5 PARKING  
LESS THA 3 HABITABLE ROOMS - 35 UNITS X 1 = 35 PARKING

TOTAL REQUIRED PARKING = 72  
15% REDUCTION FOR BICYCLE = 10  
TOTAL REQUIRED AFTER REDUCTION= 62  
TOTAL PARKING PROVIDED = 62  
20% (13 PARKING) EV READY, 5% (4 PARKING) FUTURE EV

BICYCLE REQUIRED PARKING:  
TOTAL LONG TERM PROVIDED: 60  
TOTAL SHORT TERM REQUIRED AND PROVIDED: 10% OF UNITS= 6

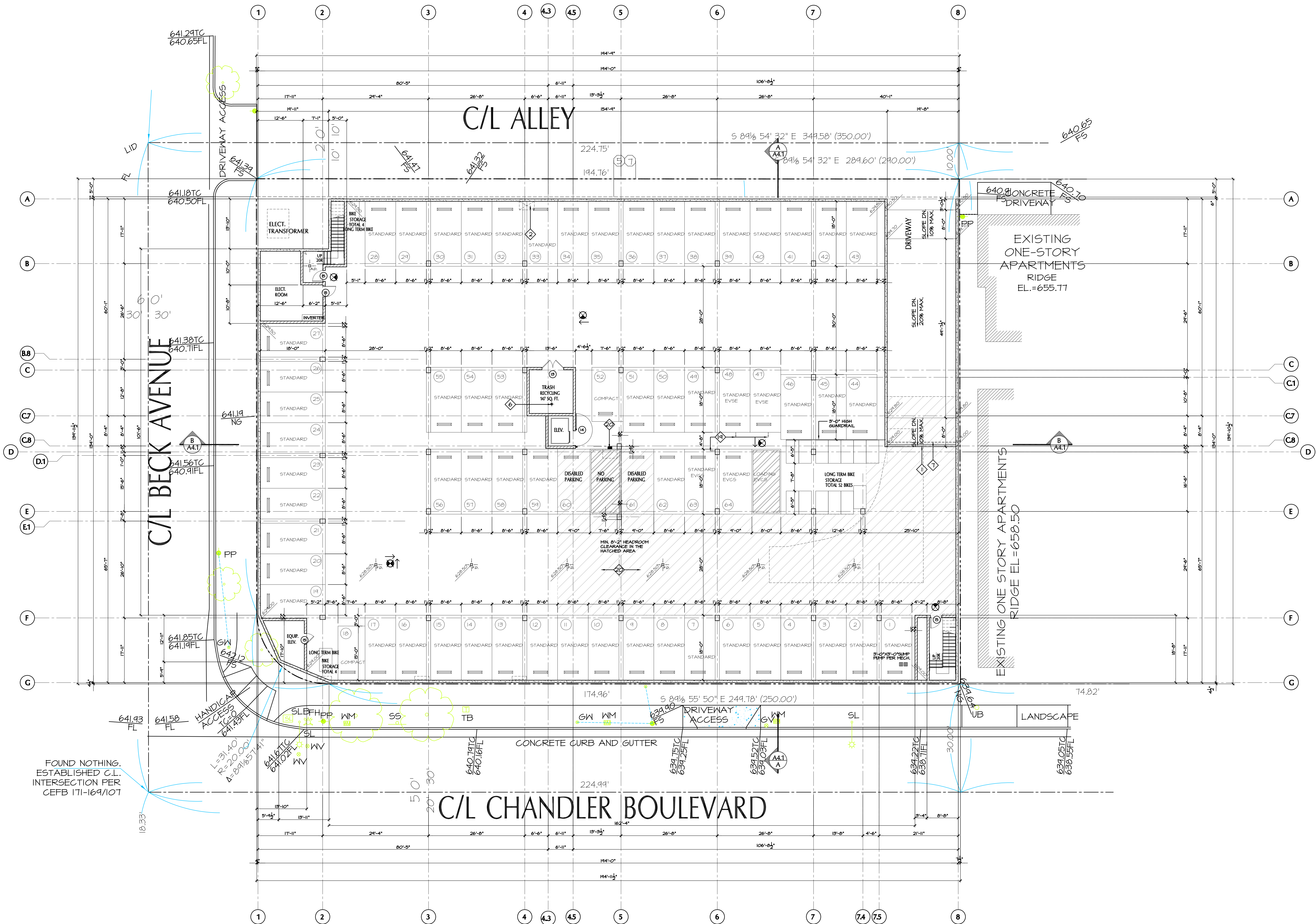
| STANDARD RES. PARKING | COMPACT RES. PARKING | VAN ACC. PARKING | ACC. PARK'G. | GUEST PARK'G. |
|-----------------------|----------------------|------------------|--------------|---------------|
| 58                    | 2                    | 1                | 1            | 0             |

## GARAGE PLAN SHEET NOTES

- |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 1.  | REFER TO BUILDING PLANS SHEET A-1.1 FOR ADDITIONAL NOTES.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |
| 2.  | PROVIDE APPROVED MECHANICAL VENTILATION SYSTEM FOR EVERY GARAGE. THE SYSTEM SHALL BE DESIGNED TO GIVE ONE DORM MOVEMENT OF AIR SUFFICIENT TO PROVIDE ONE COMPLETE CHANGE OF AIR EVERY 15 MINUTES. WHERE A MECHANICAL EXHAUST SYSTEM IS USED, THE EXHAUST VENTILATION TAKEN AT THE POINT WITHIN 5' OF THE FLOOR. THE VENTILATION DUCT DUCT OPENING SHALL BE SPACED NOT FARTHER THAN 50' APART AROUND THE PERIMETER OF THE GARAGE.                                                                                                                             |                  |
| 3.  | IF THE GUEST PARKING SPACE IS GATED, A VOICE RESPONSE SYSTEM SHALL BE INSTALLED AT THE GATE. DIRECTION TO GUEST PARKING SPACES SHALL BE CLEARLY POSTED. TAILGATE PARKING SPACES SHALL BE OPEN FOR GUEST PARKING.                                                                                                                                                                                                                                                                                                                                             |                  |
| 4.  | IF PARKING SPACES ARE ASSIGNED TO EACH RESIDENTIAL UNIT, THEN PROVISIONS SHALL BE MADE FOR ALLOCATING DISABLED PARKING SPACE TO UNIT OCCUPIED BY DISABLED RESIDENT REGARDLESS OF UNIT LOCATION. THE OPTION OF REALLOCATING ACCESSIBLE PARKING SPACE TO A UNIT OCCUPIED BY DISABLED RESIDENT SHALL REMAIN FOR THE LIFE OF THE PROJECT.                                                                                                                                                                                                                        |                  |
| 5.  | ALL PLUMBING PIPES AND MECHANICAL EXHAUST DUCTS, MEP EQUIPMENT SUBJECT TO IMPACT BY CAR SHALL HAVE ADEQUATE PROTECTION.                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |
| 6.  | FOR TYPICAL PARKING SLAT STRIPES REFER TO:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SECTION 05 10 00 |
| 7.  | FOR HANDICAP PARKING SLAT REQUIREMENTS REFER TO:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SECTION 05 10 00 |
| 8.  | THIS BUILDING AND GARAGE SHALL BE FULLY SPRINKLERED COMPLYING WITH NFPA-13 SYSTEM. THE SPRINKLER SYSTEM SHALL BE APPROVED BY PLUMBING DIVISION PRIOR TO INSTALLATION.                                                                                                                                                                                                                                                                                                                                                                                        |                  |
| 9.  | THROUGH PENETRATION SHALL BE PROTECTED BY AN APPROVED THROUGH-ROOF PENETRATION SYSTEM. THE SYSTEM SHALL BE LISTED BY UL THROUGH-ROOF WITH A UL E834 OR UL W79, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH OF WATER(249.04). THE SYSTEM SHALL HAVE AN R-RATING AND T-RATING OF NOT LESS THAN 1 HOUR BUT NOT LESS THAN THE REQUIRED RATING OF THE FLOOR PENETRATED.                                                                                                                                                                            |                  |
| 10. | NOTE ON PLAN: REGISTERED DEPT. CITY GRADING INSPECTOR IS REQUIRED ON GRADING AND FOUNDATION EARTHWORK WHERE (SITE EXCEEDS 60,000 SF.) / IN CUT AND FILL SLOPES EXCEED 2:1 (DITS EXCEPT 4:1) / HORIZONTAL WITHIN 20 FEET OF A PROPERTY LINE / FOUNDATION EXCEPT 4:1 / EXCEPT 1:1 PLANE FROM PROPERTY LINE/PROJECTS INVOLVE UNUSUAL HAZARDS) (SHORING WORK INCLUDING SLOUT-CUTS): (1704).                                                                                                                                                                      |                  |
| 11. | CONTINUOUS INSPECTION BY THE SOILS ENGINEER/GEOTECHNICIST IS REQUIRED FOR ALL SHORING/GRADING OPERATIONS.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |
| 12. | ADD THE FOLLOWING GENERAL GRADING NOTES TO THE FINAL PLANS. <ul style="list-style-type: none"> <li>• NO FILL TO BE PLACED, UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM EXCAVATION.</li> <li>• MAXIMUM FILL SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% MAX. DRY DENSITY WITHIN 40 FEET BELOW FINISH GRADE AND 90% OF MAX. DRY DENSITY DEEPER THAN 40 FEET. FILL SHALL BE COMPACTED TO A MINIMUM A LOWER RELATIVE COMPACTION ( NOT LESS THAN 90% OF MAX. DRY DENSITY) IS JUSTIFIED BY THE SOILS ENGINEER</li> </ul> |                  |
| 13. | NOTE ON PLANS: RETAINING WALLS LOCATED CLOSER TO THE PROPERTY LINE THAN THE HEIGHT OF THE WALL SHALL BE BACKFILLED NOT LATER THAN 10 DAYS AFTER CONSTRUCTION OF THE WALL. THE BACKFILL SHALL BE PLACED BY SUPPORTING MEMBERS UNLESS RECOMMENDED OTHERWISE BY RESPONSIBLE ENGINEER.                                                                                                                                                                                                                                                                           |                  |

## GARAGE PLAN SHEET KEYNOTES

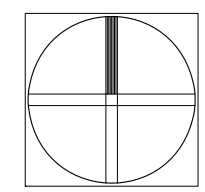
- |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | INDICATES FLR/TRENCH DRAIN. CONNECT TO PUMP PUMP SYSTEM PER PLANS. VERIFY LOCATION & NO. OF DRAINS PRIOR TO CONST.                                                                                                                                                                                                                                                                                                                                                          |
| 2  | INDICATES LINE OF PARKING EXHAUST SHAFT ABOVE. VERIFY SIZE WITH PLANS PRIOR TO CONSTRUCTION.                                                                                                                                                                                                                                                                                                                                                                                |
| 3  | INDICATES LINE OF TURNING CLEARANCE REQUIREMENTS.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4  | INDICATES LINE OF PROPOSED ELECTRIC TRANSFORMER LOCATION ABOVE. PROVIDE MIN. OF 3'-0" CLEARANCE ALL AROUND THE PAD.                                                                                                                                                                                                                                                                                                                                                         |
| 5  | LINE OF SLAB/BMD. ABOVE.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 6  | INDICATES FIRE SPRINKLER HEAD ABOVE. INSTALL MIN. ONE AT TRASH ENCLOSURE AND ONE AT RECYCLING AREA.                                                                                                                                                                                                                                                                                                                                                                         |
| 7  | GALV. METAL GATE WITH MIN. 8'-2" HEAD CLEARANCE AND VOICE RESPONSE SYSTEM WITH MIN. 40' STACKING DISTANCE FROM THE PROPERTY LINE.                                                                                                                                                                                                                                                                                                                                           |
| 8  | SLOPE GARAGE SLAB TO DRAIN. MAINTAIN MAX. 2% SLOPE AT ACCESSIBLE PARKING/ACCESSIBLE ROUTE/ACCESSIBLE ROUTE TO ELEVATOR. ETC. MIN. IN OTHER AREAS.                                                                                                                                                                                                                                                                                                                           |
| 9  | INDICATES LINE OF 8" CYSPBURM BURNER FINISH INSTALLED OVER METAL STUDS/FURRING CHANNEL TYPICAL WALLS AND CEILING.                                                                                                                                                                                                                                                                                                                                                           |
| 10 | CROSSED HATCH AREA INDICATES MINIMUM 8'-2" HEAD CLEARANCE.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 11 | INDICATES 3'-0" WIDE BAND OF TRUNCATED DOMES, ADA DETECTABLE WARNING SYSTEM.                                                                                                                                                                                                                                                                                                                                                                                                |
| 12 | INDICATES MAIL BOX LOCATION. CONTRACTOR TO VERIFY WUUPS PRIOR TO CONST.                                                                                                                                                                                                                                                                                                                                                                                                     |
| 13 | PLANTER AREA, FOR WATERPROOFING AND PLANTER DRAINS REFER TO LANDSCAPE PLANS.                                                                                                                                                                                                                                                                                                                                                                                                |
| 14 | SLIP RESISTANCE TILE FLOORING SURFACE.                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 15 | TRASH RECYCLING CHUTE OPENING.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 16 | VENT SHAFT, SEE MECH. PLANS, PROVIDE FIRE DAMPER PER MECH.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 17 | PRECAST CONC. CAR WHEEL STOP.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 18 | 3'-0" HIGH, 3" DIAM. STEEL PIPE BOLLARDS.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 19 | WHERE MULTIPLE CHARGING SPACES ARE REQUIRED, EYE TO BE WALLMOUNT CHARGE AND RACEWAY PER ELECTRICAL PLANS.<br>EYE SPACES WITHIN THE COMMON PARKING AREA SERVING OCCUPANCIES, ALL CHARGING STATIONS SHALL BE WALLMOUNT CHARGE AND RACEWAY. A CONSPICUOUS PLACE AT THE SERVICE PANEL OR SUBPANEL, THE ELECTRIC SHALL HAVE SUFFICIENT CAPACITY TO SIMULTANEOUSLY CHARGE ALL DESIGNS AT FULL RATED AMPERAGE BASED ON LEVEL 2 EYE. A SEPARATE EIR PERMIT IS REQUIRED. (4.106.4.2) |
| 20 | MAINTAIN 8'-2" MIN. VERTICAL CLEARANCE TO AND FROM ACCESSIBLE PARKING STALLS AND LOADING AISLES AND DRIVE AISLES THROUGHOUT PARKING GARAGE. MAINTAIN EYE CHARGING STATION WITH 300404 @ CENTER LINE. CLARE APPROACH, EYE WITHIN REACH LIMIT HEIGHT.                                                                                                                                                                                                                         |



## GARAGE PLAN



SCALE 3/32"=1'-0"



NORTH

KAMRAN  
TABRIZI,  
ARCHITECT &  
ASSOCIATES

21731 AMBAR DR.  
WOODLAND HILLS CA. 91364  
TEL. (818) 888-6365  
FAX: (818) 888-6725

PROJECT:  
ART SET  
60 UNIT APARTMENT BUILDING  
11525 CHANDLER BLVD.  
NORTH HOLLYWOOD, CA. 91601

OWNER:  
CHANDLER ART CENTER LLC  
12725 VENTURA BLVD.  
SUITE #D  
STUDIO CITY, CA 91604

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND  
COPYRIGHT OF THE ARCHITECT AND SHALL NOT BE USED ON ANY  
OTHER WORK EXCEPT BY AGREEMENT WITH THE ARCHITECT.  
WRITTEN DIMENSIONS TAKE PREFERENCE OVER SCALED DIMENSIONS  
AND SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY  
SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECT PRIOR  
COMMENCEMENT OF ANY WORK.

[illegible]

✓ CHECKED BY

DATE \_\_\_\_\_

DRAWN BY

JOB 1

SHEET TITLE

GARAGE PLAN

SHEET NUMBER

# A1.0



| BUILDING DATA |                        |                                |                    |                       |
|---------------|------------------------|--------------------------------|--------------------|-----------------------|
| OCCUPANCY     | TYPE OF CONSTRUCTION   | HEIGHT                         | FIRE SPRINKLER     | TOTAL NO. OF DWELLING |
| R-2<br>S-2    | RES.: V-A<br>GAR.: I-A | 4-STORIES OR<br>1 STORY GARAGE | NFPA-13<br>NFPA-13 | 60                    |

| SHEET LEGEND                                                                      |                                            |                                                                                   |                                       |
|-----------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------|
|  | 4" NOM. STUD WALL                          |  | INDICATES FURRED CLG.                 |
|  | 6" NOM. STUD WALL                          |                                                                                   |                                       |
|  | 1-HOUR FIRE PARTITION WALL                 |  | NOTE'S CEILING HT.                    |
|  | 2-HR WALL                                  |  | EXIT SIGN PER C.B.C. SEC. SC. 1007.10 |
|  | 2x6 STAGG. STUD WALL<br>1HR. WALL, STC. 50 |  |                                       |

# BUILDING PLAN SHEET NOTES

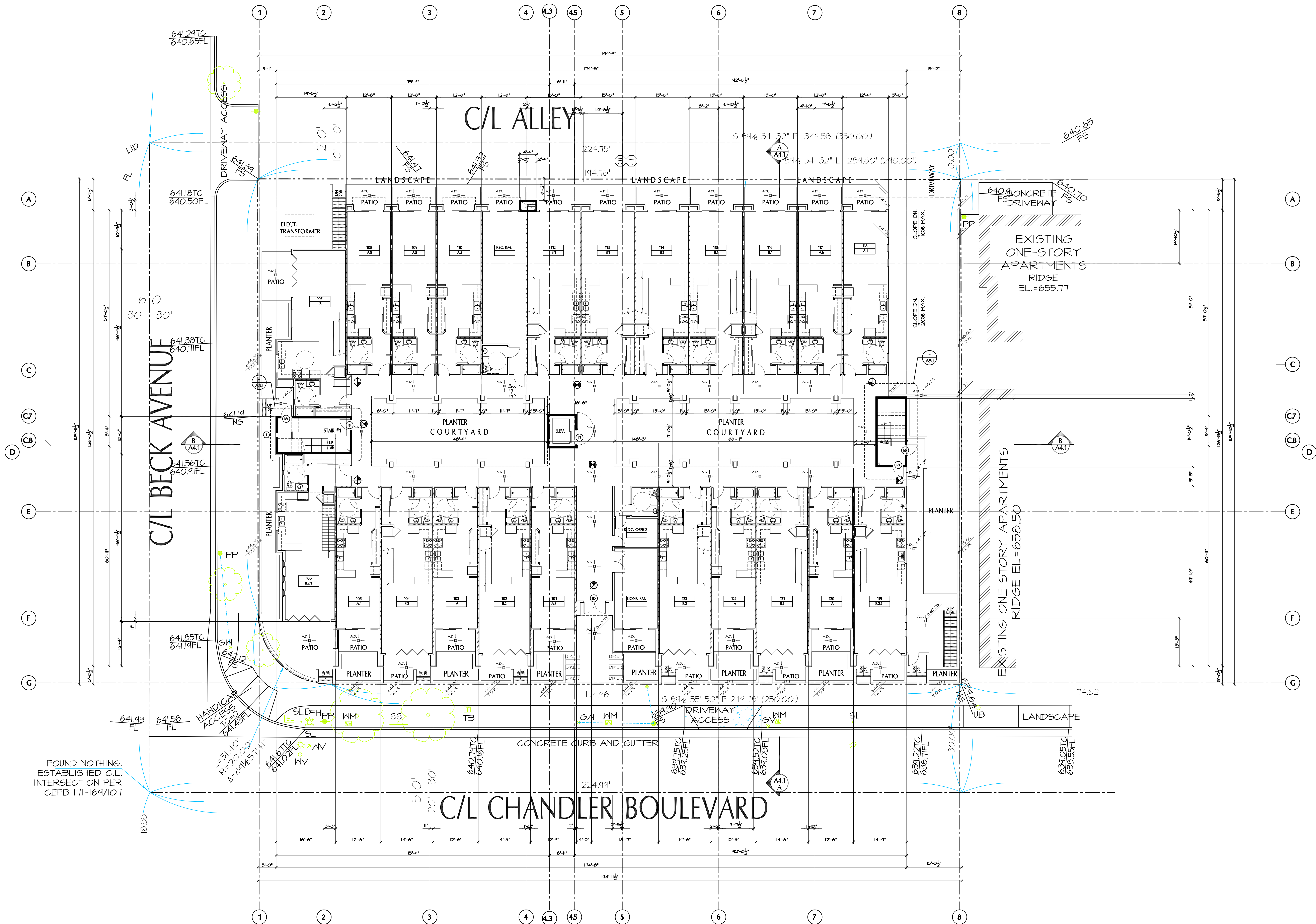
1. ALTERNATE EQUAL PROTECTION OF OPENINGS AT EXIST COURT WITH 10' X 10' FEET WIDTH SHALL COMPLY WITH THE FOLLOWING:
  1. WATER CURTAIN SPRINKLER SYSTEM IS INSTALLED OVER EACH OPENING ON THE INSIDE OF THE BUILDING.
  2. MECHANICAL PLAN CHECK APPROVAL AND PERMIT SHALL BE OBTAINED PRIOR TO SPRINKLER INSTALLATION.
  3. A MINIMUM 18" DEEP DRAFT STOP SHALL BE PROVIDED IMMEDIATELY ADJACENT TO THE PROTECTED OPENING AS REQUIRED BY 10.14 OF DIVISION 20 OF THE PLUMBING CODE.
2. INSTALL WITHIN PROTECT AN AIR INFILTRATION SYSTEM (EITHER CHARCOAL OR ELECTRONIC) TO REDUCE AIR QUALITY EFFECTS ON THE PROJECT RESIDENTS.
3. STAIR, ELEVATOR, MECHANICAL AND TRASH CHUTE SHAFTS SHALL BE 2-HR. FIRE RESISTIVE CONST.
  4. PENETRATIONS OF FIRE RESISTIVE WALLS, FLOOR-CEILINGS & ROOF & CEILINGS SHALL BE PROTECTED TO MEET THE C.B.C. SEC. 709.7 & 710.
5. PORTABLE FIRE EXTINGUISHERS MINIMUM REQ.
  - A. PROVIDE A MIN. OF ONE 2A:10:B CLASSIFICATION FIRE EXTINGUISHER WITHIN 75 FT. TRAVEL DISTANCE FOR EACH 6000 SQ. FT. OR PORTION THEREOF.
  - B. VERIFY LOCATION, TYPE REQUIRED NUMBER OF FIRE EXTINGUISHERS WITH LOCAL FIRE DEPARTMENT PRIOR TO INSTALLATION.
  - C. INSTALL SEMI-RECESSED FIRE EXTINGUISHER IN STUD WALLS PER REFERENCED DETAIL.
6. MEANS OF EGRESS IDENTIFICATION:
  - A. PROVIDE INTERNALLY ILLUMINATED EXIT SIGNS PER C.B.C. SEC. 1011.4
  - B. PROVIDE RED LEVEL EXIT SIGNS & APPROVED PATH MARKING PER C.B.C. SEC. 1011.6
  - C. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES, PROVIDE BACKUP POWER IN CASE OF PRIMARY POWER LOSS IN COMPLIANCE W/ C.B.C. SEC. 1003.3
  - D. ADDITIONAL EXIT SIGNS MAY BE REQUIRED AND LOCATIONS ARE SUBJECT TO CHANGE DURING PLAN INSPECTION.
7. FIRE ALARM SYSTEM:
  - A. BLDG. SHALL HAVE APPROVED MANUAL & AUTO. FIRE ALARM SYSTEM PER C.B.C. 7100.2.1
  - B. WHEN SERVING MORE THAN 100 SPRINKLER HEADS, AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE SUPERVISED BY APPROVED CENTRAL PROPRIETARY OR REMOTE STATION SERVICE.
  - C. FIRE SPRINKLER SYSTEM SHALL BE SUBMITTED TO THE BUILDING DEPARTMENTS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
8. IN FOUR OR MORE STORIES BUILDING AT LEAST ONE ELEVATOR CAR SHALL BE SUCH A SIZE AND ARRANGEMENT TO ACCOMMODATE AN AMBULANCE LITTER CARRIER 24"X64" MIN. CAR SIZE TO BE 80"X54". MIN. DOOR WIDTH TO BE 3'-6".

| BUILDING PLAN                                                                                                                                                                                                                        |           | CONSTRUCTION NOTES                                                                                                                                                                             |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| ROOF/C.G. ASSEMBLIES SHALL BE ONE HOUR RATED FIRE-RESISTIVE CONSTRUCTION. PER:                                                                                                                                                       | 1<br>D6   | INTERIOR WALL INTERSECTIONS AT 1-HR. RATED FIRE-RESISTIVE CONST. SHALL BE PER:                                                                                                                 | 1<br>D6  |
| FLOOR/CILING ASSEMBLIES SEPARATING UNITS IN THE SAME FLOOR OR ONE FLOOR, NO 1-HR. RATED FIRE-RESISTIVE CONST. PER:                                                                                                                   | 2<br>D6   | HORIZONTAL STRUCTURAL MEMBERS (BEAMS) & THEIR SUPPORT (POSTS) SHALL BE INDIVIDUALLY FIRE PROTECTED WHEN DIRECTLY APPLIED LOADS FROM A FLOOR, A ROOF OR MORE THAN ONE FLOOR, CBC SECTION 704.3. | 1<br>D6  |
| FLOOR/CILING ASSEMBLIES WITHIN SAME UNIT SHALL BE 1-HR. RATED FIRE-RESISTIVE CONSTRUCTION. PER:                                                                                                                                      | 3<br>D6   | NOTE: COLUMNS MUST ALWAYS BE INDIVIDUALLY PROTECTED.                                                                                                                                           |          |
| EXT. WALLS INCLUDING COURTYARD WALLS SHALL BE 1-HR. RATED FIRE-RESISTIVE CONST.                                                                                                                                                      | 4<br>D6   |                                                                                                                                                                                                |          |
| INTERIOR WALLS SHALL BE 1-HR. RATED FIRE-RESISTIVE CONST. SEE STL. FOR INTERIOR BEARING WALL LOCATIONS.                                                                                                                              | 5<br>D6   | DUCT PENETRATIONS THROUGH RATED WALLS SHALL BE CONSTRUCTED PER DETAIL:                                                                                                                         | 6<br>D5  |
| DWELLING UNIT SEPARATION WALLS (PARTIAL) SHALL BE 1-HR. RATED FIRE-RESISTIVE CONST.                                                                                                                                                  | 7<br>D6   | FURRED CEILING BELOW ONE HOUR FIRE-RESISTIVE ASSEMBLIES SHALL BE CONSTRUCTED PER DETAIL:                                                                                                       | 8<br>D5  |
| FOR INTERSECTING WALLS AT ONE HOUR DWELLING SEPARATION WALL, REFER TO DETAIL:                                                                                                                                                        | 9<br>D6   | FOR TYPICAL INTERIOR WALL CORNER HEAD REFER TO:                                                                                                                                                | 10<br>D5 |
| FLOOR & ROOF TO EXT. WALL INTERSECTIONS AT 1-HR. RATED FIRE-RESISTIVE CONST. PER:                                                                                                                                                    | 10<br>D7  | TUB SHOWER AT DWELLING SEPARATION WALL SHALL BE PER:                                                                                                                                           | 11<br>D5 |
| EXT. DECK ASSEMBLIES SHALL BE 1-HR. RATED F.R. CONST. PER:                                                                                                                                                                           | 12<br>D6  | FOR RECESSED LIGHT FIXTURE AT 1-HR. RATED C.G. REFER TO:                                                                                                                                       | 13<br>D7 |
| 2-HR AREA SEPARATION WALL (2-HR FIRE WALL) SHALL BE 2-HR. F.R. CONST. PER:                                                                                                                                                           | 14<br>D6  | ELEC. OUTLETS IN DWELL. UNIT SEPARATION WALLS, C.G. FIXTURES IN C.G. FLR. PER:                                                                                                                 | 15<br>D5 |
| FOR INTERSECTING WALLS AT TWO HOUR AREA SEPARATION WALLS REFER TO DETAIL:                                                                                                                                                            | 16<br>D6  | ONE HOUR INTERIOR STAIR SHALL BE CONSTRUCTED PER:                                                                                                                                              | 17<br>D7 |
| STAIR, ELEV., MECH. AND TRASH CHUTE SHAFTS WALLS (2HR FIRE BARRIER) SHALL BE 2-HR FIRE RATED PER:                                                                                                                                    | 17<br>D7  |                                                                                                                                                                                                |          |
| RECESSED MEDICINE CABT. S, ELEC. PANELS, FIRE EXTINGUISHER CABT. S AND WASH/DREYER HOOK-UPS IN RATED WALLS SHALL BE PER REFERENCED DETAIL. SUCH CABT. S SHALL NOT BE LOCATED IN HALLWY. OR COMMON UNIT SEP. OR AREA SEPARATION WALL. | 18<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 19<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 20<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 21<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 22<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 23<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 24<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 25<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 26<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 27<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 28<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 29<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 30<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 31<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 32<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 33<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 34<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 35<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 36<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 37<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 38<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 39<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 40<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 41<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 42<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 43<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 44<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 45<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 46<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 47<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 48<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 49<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 50<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 51<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 52<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 53<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 54<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 55<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 56<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 57<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 58<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 59<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 60<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 61<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 62<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 63<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 64<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 65<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 66<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 67<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 68<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 69<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 70<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 71<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 72<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 73<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 74<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 75<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 76<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 77<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 78<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 79<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 80<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 81<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 82<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 83<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 84<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 85<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 86<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 87<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 88<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 89<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 90<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 91<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 92<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 93<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 94<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 95<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 96<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 97<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 98<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 99<br>D7  |                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                      | 100<br>D7 |                                                                                                                                                                                                |          |

| BUILDING PLAN SHEET KEYNOTES |                                                                                                                 |
|------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 1                            | 24HR RATED GARAGE VENTILATION SHAFT, VERIFY SIZE WITH MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION.              |
| 2                            | LINE OF FLAT ARCH / CEILING ABOVE.                                                                              |
| 3                            | LINE OF BUILDING OR BALCONY ABOVE.                                                                              |
| 4                            | INDICATES WATER CURTAIN SPRINKLER SYSTEM. SEE SHEET NOTE #1.                                                    |
| 5                            | INDICATES SCUPPER PER:                                                                                          |
| 6                            | INDICATES LOCATION OF DECK/FLR, DRAIN. INSTALL PER DECK WATERPROOFING AND DECK DRAIN MFR. RECOMMENDATIONS.      |
| 7                            | INDICATES STAND PIPE AS REQUIRED BY LOCAL FIRE DEPARTMENT.                                                      |
| 8                            | PLANTER AREA, FOR WATERPROOFING AND PLANTER DRAINS REFER TO LANDSCAPE PLANS.                                    |
| 9                            | PROPOSED MAIL BOX LOCATION, OBTAIN USPS APPROVAL PRIOR TO CONSTRUCTION.                                         |
| 10                           | INDICATES ELECTRIC TRANSFORMER LOCATION, REFER TO UTILITY PLANS.                                                |
| 11                           | WATERPROOF DECK TOPPING OVER CONCRETE WITH A SOLAR REFLECTANCE OF AT LEAST .30. DECK-TEXT OR EQUAL R.R. # 02380 |
| 12                           | ROOF GARDEN TO BE DESIGNED BY WATERPROOFING AND LANDSCAPE CONSULTANTS.                                          |
| 13                           | INDICATES LOCATION OF CLASS 1 STAND PIPE TO BE INSTALLED IN ACCORDANCE WITH CBC SECTION 905 AND NFPA 14.        |

NOTE: THIS BUILDING AND GARAGE MUST BE EQUIPPED WITH AN AUTOMATIC FIRE EXTINGUISHING SYSTEM, COMPLYING WITH (NFPA-13); THE SPRINKLER SYSTEM SHALL BE APPROVED BY PLUMBING DIV. PRIOR TO INSTALLATION." (903.2.8)

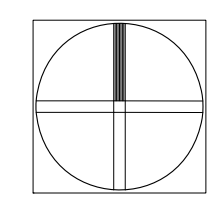
ALL EXTERIOR WALL TO BE A MIN. 2X6 WALL.



## FIRST FLOOR PLAN



SCALE  $\frac{3}{32}'' = 1'-0''$



NORTH

PROJECT:  
ART SET  
60 UNIT APARTMENT BUILDING  
11525 CHANDLER BLVD.  
NORTH HOLLYWOOD, CA. 91601

OWNER:  
CHANDLER ART CENTER LLC  
12725 VENTURA BLVD.  
SUITE #D  
STUDIO CITY, CA 91604

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF THE ARCHITECT AND SHALL NOT BE USED ON ANY OTHER WORK EXCEPT BY AGREEMENT WITH THE ARCHITECT. WRITTEN DIMENSIONS TAKE PREFERENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK.

[illegible]

|            |            |
|------------|------------|
| CHECKED BY | DATE       |
| DRAWN BY   | JOB NUMBER |

SHEET TITLE

### FIRST FLOOR PLAN

SHEET NUMBER

## A1.1



BUILDING DATA

| OCCUPANCY  | TYPE OF CONSTRUCTION   | HEIGHT                      | FIRE SPRINKLER     | TOTAL NO. OF DWELLING |
|------------|------------------------|-----------------------------|--------------------|-----------------------|
| R-2<br>S-2 | RES.: 1-A<br>GAR.: 1-A | 4 STORIES<br>1 STORY GARAGE | NFPA-13<br>NFPA-13 | 60                    |

SHEET LEGEND

|  |                                            |                                   |
|--|--------------------------------------------|-----------------------------------|
|  | 4" NOM. STUD WALL                          |                                   |
|  | 6" NOM. STUD WALL                          |                                   |
|  | 1-HOUR FIRE PARTITION WALL                 | NOTES CEILING HT.                 |
|  | 2-HR WALL                                  | EXIT SIGN PER C.B.C. SEC. 1007.10 |
|  | 2x6 STAGG. STUD WALL<br>1HR. WALL, STC. 50 |                                   |

BUILDING PLAN SHEET NOTES

1.

ALTERNATE EQUAL PROTECTION OF OPENINGS AT EXIT COURT WITH LESS THAN 10 FEET WIDTH SHALL COMPLY WITH THE FOLLOWING:  
1. WATER CURTAIN SPRINKLER SYSTEM IS INSTALLED OVER EACH OPENING ON THE INSIDE OF THE BUILDING.  
2. MECHANICAL PLAN CHECK APPROVAL AND PERMIT SHALL BE OBTAINED PRIOR TO SPRINKLER INSTALLATION.  
3. A MINIMUM 16" DEEP DRAFT STOP SHALL BE PROVIDED IMMEDIATELY ADJACENT TO THE PROTECTED OPENING AS REQUIRED BY 10.14 OF DIVISION 20 OF THE PLUMBING CODE.

2.

INSTALL WITHIN PROJECT AN AIR INFILTRATION SYSTEM (EITHER CHARCOAL OR ELECTRONIC) TO REDUCE AIR QUALITY EFFECTS ON THE PROJECT RESIDENTS.

3.

STAIR, ELEVATOR, MECHANICAL AND TRASH CHUTE SHAFTS SHALL BE 2-HR. FIRE RESISTIVE CONST.

4.

PENETRATIONS OF FIRE RESISTIVE WALLS, FLOOR-CEILINGS, & ROOF-CEILINGS SHALL BE PROTECTED AS REQUIRED IN C.B.C. SEC. 709 & 710.

5.

PORTABLE FIRE EXTINGUISHERS MINIMUM REQ.:  
A. PROVIDE A MIN. OF ONE 2-A/10-B-C CLASSIFICATION FIRE EXTINGUISHER WITHIN 75 FT. TRAVEL DISTANCE FOR EACH 6000 SQ. FT. OR PORTION THEREOF.  
B. VERIFY LOCATION, TYPE REQUIRED NUMBER OF FIRE EXTINGUISHER WITH LOCAL FIRE DEPARTMENT PRIOR TO INSTALLATION.  
C. INSTALL SEMI-RECESSED FIRE EXTINGUISHER IN STUD WALLS PER REFERENCED DETAIL.

6.

MEANS OF EGRESS IDENTIFICATION:  
A. PROVIDE INTERNALLY ILLUMINATED EXIT SIGNS, PER C.B.C. SEC. 1011.4  
B. PROVIDE FLR. LEVEL EXIT SIGNS & APPROVED PATH MARKING, PER C.B.C. SEC. 1011.6  
C. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. PROVIDE BACKUP POWER IN CASE OF PRIMARY POWER LOSS IN CONFORMANCE W/ C.B.C. SEC. 1006.3  
D. ADDITIONAL EXIT SIGNS MAY BE REQUIRED AND LOCATIONS ARE SUBJECT TO CHANGE DURING FINAL INSPECTION.

7.

FIRE ALARM SYSTEM:  
A. BLDG. SHALL HAVE APPROVED MANUAL & AUTO. FIRE ALARM SYSTEM PER C.B.C. [F]807.2.5.  
B. WHEN SERVING MORE THAN 100 SPRINKLER HEADS, AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE SUPERVISED BY APPROVED CENTRAL PROPRIETARY OR REMOTE STATION SERVICE.  
C. FIRE SPRINKLER SYSTEM SHALL BE SUBMITTED TO THE BUILDING DEPARTMENTS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

8.

IN FOUR OR MORE STORIES BUILDING AT LEAST ONE ELEVATOR CAR SHALL BE SUCH A SIZE AND ARRANGEMENT TO ACCOMMODATE AN AMBULANCE STRETCHER 24"x84". MIN. CAR SIZE TO BE 80"x54". MIN. DOOR WIDTH TO BE 3'-6".

BUILDING PLAN CONSTRUCTION NOTES

|                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ROOF/CLG. ASSEMBLIES SHALL BE ONE-HOUR RATED FIRE-RESISTIVE CONSTRUCTION.                                                                                                                                                            | INTERIOR WALL INTERSECTIONS AT 1-HR. RATED FIRE-RESISTIVE CONST. SHALL BE PER:                                                                                                                                                                                                   |
| FLOOR/CEILING ASSEMBLIES SEPARATING UNITS IN THE SAME BUILDING SHALL BE 1-HR. RATED FIRE-RESISTIVE CONST. PER:                                                                                                                       | HORIZONTAL STRUCTURAL MEMBERS (BEAMS) & THEIR SUPPORT (POSTS) SHALL BE INDIVIDUALLY FIRE PROTECTED WHEN HORIZONTAL MEMBER SUPPORTS DIRECTLY APPLIED LOADS FROM A FLOOR & A ROOF OR MORE THAN ONE FLOOR. CBC SECTION 714.3.1 NOTE: COLUMNS MUST ALWAYS BE INDIVIDUALLY PROTECTED. |
| FLOOR/CEILING ASSEMBLIES WITHIN SAME UNIT SHALL BE 1-HR. RATED FIRE-RESISTIVE CONST. PER:                                                                                                                                            | DUCT PENETRATIONS THROUGH RATED WALLS SHALL BE CONSTRUCTED PER DETAIL.                                                                                                                                                                                                           |
| EXT. WALLS INCLUDING COURTYARD WALLS SHALL BE 1-HR. RATED FIRE-RESISTIVE CONST. PER:                                                                                                                                                 | FURRED CEILING BELOW ONE HOUR FIRE-RESISTIVE ASSEMBLIES SHALL BE CONSTRUCTED PER DETAIL.                                                                                                                                                                                         |
| INTERIOR WALLS SHALL BE 1-HR. RATED FIRE-RESISTIVE CONST. SEE STRL. FOR INTERIOR BEARING WALL LOCATIONS.                                                                                                                             | FOR TYPICAL INTERIOR WALL CORNER BEAD REFER TO:                                                                                                                                                                                                                                  |
| DWELLING UNIT SEPARATION WALLS (PARTY WALLS) SHALL BE 1-HR. RATED FIRE-RESISTIVE CONST. PER:                                                                                                                                         | TUB SHOWER AT DWELLING SEPARATION WALL SHALL BE PER:                                                                                                                                                                                                                             |
| FOR INTERSECTING WALLS AT ONE HOUR DWELLING SEPARATION WALL, REFER TO DETAIL.                                                                                                                                                        | FOR RECESSED LIGHT FIXTURE AT 1-HR. RATED CLG. REFER TO                                                                                                                                                                                                                          |
| FLOOR & ROOF TO EXT. WALL INTERSECTIONS AT 1-HR. RATED FIRE-RESISTIVE CONST. PER:                                                                                                                                                    | ELEC. OUTLETS IN DWELL. UNIT SEPARATION WALLS CLG. FIXTURES IN CLG./FLR. PER:                                                                                                                                                                                                    |
| EXT. DECK ASSEMBLIES SHALL BE 1-HR. RATED F.R. CONST. PER:                                                                                                                                                                           | ONE HOUR INTERIOR STAIR SHALL BE CONSTRUCTED PER:                                                                                                                                                                                                                                |
| 2-HR AREA SEPARATION WALL (2 HR. FIRE WALL) SHALL BE 2-HR. F.R. CONST. PER:                                                                                                                                                          |                                                                                                                                                                                                                                                                                  |
| FOR INTERSECTING WALLS AT TWO HOUR AREA SEPARATION WALLS REFER TO DETAIL.                                                                                                                                                            |                                                                                                                                                                                                                                                                                  |
| STAIR, ELEV., MECH. AND TRASH CHUTE SHAFTS WALLS (2HR) FIRE BARRIERS SHALL BE 2-HR FIRE RATED PER:                                                                                                                                   |                                                                                                                                                                                                                                                                                  |
| RECESSED MEDICINE CABT'S, ELEC. PANELS, FIRE EXTINGUISHER CABT'S AND WASHER/DRYER HOOK-UPS IN RATED WALLS SHALL BE PER REFERENCED DETAIL. SUCH CABT'S SHALL NOT BE LOCATED IN CORRIDOR, DWELLING UNIT SEP. OR AREA SEPARATION WALLS. |                                                                                                                                                                                                                                                                                  |

BUILDING PLAN SHEET KEYNOTES

|    |                                                                                                                 |
|----|-----------------------------------------------------------------------------------------------------------------|
| 1  | 2-HR RATED GARAGE VENTILATION SHAFT. VERIFY SIZE WITH MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION.              |
| 2  | LINE OF FLAT ARCH / CEILING ABOVE.                                                                              |
| 3  | LINE OF BUILDING OR BALCONY ABOVE.                                                                              |
| 4  | INDICATES WATER CURTAIN SPRINKLER SYSTEM. SEE SHEET NOTE #1                                                     |
| 5  | INDICATES SCUPPER PER:                                                                                          |
| 6  | INDICATES LOCATION OF DECK/FLR. DRAIN. INSTALL PER DECK WATERPROOFING AND DECK DRAIN MFR. RECOMMENDATIONS.      |
| 7  | INDICATES STAND PIPE AS REQUIRED BY LOCAL FIRE DEPARTMENT.                                                      |
| 8  | PLANTER AREA. FOR WATERPROOFING AND PLANTER DRAINS REFER TO LANDSCAPE PLANS.                                    |
| 9  | PROPOSED MAIL BOX LOCATION. OBTAIN USPS APPROVAL PRIOR TO CONSTRUCTION.                                         |
| 10 | INDICATES ELECTRIC TRANSFORMER LOCATION. REFER TO UTILITY PLANS.                                                |
| 11 | WATERPROOF DECK TOPPING OVER CONCRETE WITH A SOLAR REFLECTANCE OF AT LEAST .30. DEX-O-TEX OR EQUAL R.R. # 02360 |
| 12 | ROOF GARDEN TO BE DESIGNED BY WATERPROOFING AND LANDSCAPE CONSULTANTS.                                          |
| 13 | INDICATES LOCATION OF CLASS 1 STAND PIPE TO BE INSTALLED IN ACCORDANCE WITH CBC SECTION 905 AND NFPA 14.        |

NOTE: THIS BUILDING AND GARAGE MUST BE EQUIPPED WITH AN AUTOMATIC FIRE EXTINGUISHING SYSTEM. COMPLYING WITH (NFPA-13); THE SPRINKLER SYSTEM SHALL BE APPROVED BY PLUMBING DIV. PRIOR TO INSTALLATION. (903.2.8)

ALL EXTERIOR WALL TO BE A MIN. 2X6 WALL.

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

ACCESSIBLE BUILDING

## SECOND FLOOR PLAN

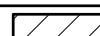






| BUILDING DATA |                       |                               |                     |                       |
|---------------|-----------------------|-------------------------------|---------------------|-----------------------|
| OCCUPANCY     | TYPE OF CONSTRUCTION  | HEIGHT                        | FIRE SPRINKLER      | TOTAL NO. OF DWELLING |
| R-2<br>S-2    | RES.: V-A<br>GAR.: HA | 4-STORIES 0<br>1 STORY GARAGE | NFPA-13<br>NFPA-13A | 60                    |

| SHEET LEGEND                                                                      |                                             |
|-----------------------------------------------------------------------------------|---------------------------------------------|
|  | 4" NOM. STUD WALL                           |
|  | 6" NOM. STUD WALL                           |
|  | 1-HOUR FIRE PARTITION WALL                  |
|  | 2-HR WALL                                   |
|  | 2-hb STAGG. STUD WALL<br>1HR. WALL, STC. 50 |
|  | 7'-0"                                       |
|  | 7'-0"                                       |
|  | 7'-0"                                       |
|  | 7'-0"                                       |
|  | 7'-0"                                       |
|  | INDICATES FURRED C.L.G.                     |
|  | NOTES CEILING HT.                           |
|  | EXIT SIGN PER C.B.C. SEC. SEC. 1007.10      |

## BUILDING PLAN SHEET NOTES

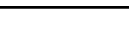
- |    |                                                                                                                                                            |                                                                                   |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 1. | ALTERNATE EQUAL PROTECTION OF OPENINGS AT EXIT COURT WITH LESS THAN 10 FEET WIDTH SHALL COMPLY WITH THE FOLLOWING:                                         |                                                                                   |
| 1. | WATER CURTAIN SPRINKLER SYSTEM IS INSTALLED OVER EACH OPENING ON THE INSIDE OF THE BUILDING.                                                               |                                                                                   |
| 2. | MECHANICAL PLAN CHECK APPROVAL AND PERMIT SHALL BE OBTAINED PRIOR TO SPRINKLER INSTALLATION.                                                               |                                                                                   |
| 3. | A MINIMUM 16" DEEP DRAFT STOP SHALL BE PROVIDED IMMEDIATELY ADJACENT TO THE PROTECTED OPENING AS REQUIRED BY 10.14 OF DIVISION 20 OF THE PLUMBING CODE.    |                                                                                   |
| 2. | INSTALL WITHIN PROTECT AN AIR INFILTRATION SYSTEM (EITHER CHARGED OR ELECTRONIC) TO REDUCE AIR QUALITY EFFECTS ON THE PROJECT RESIDENTS.                   |                                                                                   |
| 3. | STAIR, ELEVATOR, MECHANICAL AND TRASH CHUTE SHAFTS SHALL BE 2-HR. FIRE RESISTIVE CONSTRUCTION.                                                             |                                                                                   |
| 4. | PENETRATIONS OF FIRE RESISTIVE WALLS, FLOOR-CEILINGS, & ROOF-CEILING SHALL BE PROTECTED AS REQUIRED IN C.B.C. SEC. 709 & 710.                              |  |
| 5. | PORTABLE FIRE EXTINGUISHERS MINIMUM RCLASS:                                                                                                                |                                                                                   |
|    | A. PROVIDE A MIN. OF ONE 2A:10-B-C CLASSIFICATION FIRE EXTINGUISHER WITHIN 75 FT. TRAVEL. THEREOF, DURING FOR EACH 6000 SQ. FT. OR PORTION THEREOF.        |  |
| 6. | B. VERIFY LOCATION, TYPE REQUIRED NUMBER OF FIRE EXTINGUISHER WITH LOCAL FIRE DEPARTMENT PRIOR TO INSTALLATION.                                            |                                                                                   |
| 3. | C. INSTALL SEMI-RECESSED FIRE EXTINGUISHER IN STUD WALLS PER REFERENCED DETAIL.                                                                            |                                                                                   |
| 6. | MEANS OF EGRESS IDENTIFICATION:                                                                                                                            |                                                                                   |
| A. | PROVIDE INTERNALLY ILLUMINATED EXIT SIGNS, PER C.B.C. SEC. 1011.4                                                                                          |                                                                                   |
| B. | PROVIDE R-LEVEL EXIT SIGNS & APPROVED TAP MARKING, PER C.B.C. SEC. 1011.6                                                                                  |                                                                                   |
| C. | EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. PROVIDE BACKUP POWER IN CASE OF PRIMARY POWER LOSS IN CONFORMANCE WITH C.B.C. SEC. 1006.3.                   |                                                                                   |
| D. | ADDITIONAL EXIT SIGNS MAY BE REQUIRED AND LOCATIONS ARE SUBJECT TO CHANGE DURING FINAL INSPECTION.                                                         |                                                                                   |
| 7. | FIRE ALARM SYSTEM:                                                                                                                                         |                                                                                   |
| A. | BLDG. SHALL HAVE APPROVED MANUAL & AUTO. FIRE ALARM SYSTEM PER C.B.C. §F907.2.3.                                                                           |                                                                                   |
| B. | WHEN SERVING MORE THAN 100 SPRINKLER HEADS, AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE SUPERVISED BY APPROVED CENTRAL PROPRIETARY OR REMOTE STATION SERVICE. |                                                                                   |
| C. | FIRE SPRINKLER SYSTEM SHALL BE SUBMITTED TO THE BUILDING DEPARTMENTS FOR REVIEW AND APPROVAL, PRIOR TO INSTALLATION.                                       |                                                                                   |
| 8. | IN/OUT OR MORE STORES BUILDING AT LEAST ONE ELEVATOR CAR SHALL BE SUCH A SIZE AND ARRANGEMENT TO ACCOMMODATE AN AMBULANCE STRETCHER 24"x84"                |                                                                                   |
|    | MIN. CAB SIZE TO BE 80"x54", MIN. DOOR WIDTH TO BE 36".                                                                                                    |                                                                                   |

## BUILDING PLAN CONSTRUCTION NOTES

|                                                                                                                                                                                                                            |           |                                                                                                                                                                                                       |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| ROOF/CURB ASSEMBLIES SHALL BE ONE-HOUR RATED FIRE-RESISTIVE CONSTRUCTION.                                                                                                                                                  | 1<br>0.6  | INTERIOR WALL INTERSECTIONS AT 1-HR. RATED FIRE-RESISTIVE CONST. SHALL BE PER:                                                                                                                        | 1<br>0.7  |
| FLOOR/CILING ASSEMBLIES SEPARATING UNITS IN THE SAME BUILDING SHALL BE 1-HR. RATED FIRE-RESISTIVE CONSTRUCTION.                                                                                                            | 2<br>0.6  | VERTICAL STRUCTURAL MEMBERS (BEAMS) & THEIR SUPPORT (POSTS) SHALL BE INDIVIDUALLY FIRE PROTECTED WHEN HORIZONTAL MEMBER SUPPORTS DIRECTLY APPLIED LOADS FROM A FLOOR & A ROOF OR MORE THAN ONE FLOOR. | 2<br>0.7  |
| FLOOR/CILING ASSEMBLIES WITHIN SAME UNIT SHALL BE 1-HR. RATED FIRE-RESISTIVE CONST. PER:                                                                                                                                   | 3<br>0.6  | CBC SECTION 704.3 NOTE: COLUMNS MUST ALWAYS BE INDIVIDUALLY PROTECTED.                                                                                                                                | 3<br>0.7  |
| EXT. WALLS INCLUDING COURTYARD WALLS SHALL BE 1-HR. RATED FIRE-RESISTIVE CONST.                                                                                                                                            | 4<br>0.6  | DUCT PENETRATIONS THROUGH RATED WALLS SHALL BE CONSTRUCTED PER:                                                                                                                                       | 4<br>0.7  |
| INTERIOR WALLS SHALL BE 1-HR. RATED FIRE-RESISTIVE CONST. SEE STRL. FOR INTERIOR BEARING WALL LOCATIONS.                                                                                                                   | 5<br>0.6  | FURRED CILING BELOW ONE HOUR FIRE-RESISTIVE ASSEMBLY SHALL BE CONSTRUCTED PER DETAIL.                                                                                                                 | 5<br>0.7  |
| DWELLING UNIT SEPARATION WALLS (PARTY WALLS) SHALL BE 1-HR. RATED FIRE-RESISTIVE CONST.                                                                                                                                    | 6<br>0.6  | FOR TYPICAL INTERIOR WALL CORNER HEAD REFER TO:                                                                                                                                                       | 6<br>0.7  |
| FOR INTERSECTING WALLS AT ONE HOUR DWELLING SEPARATION WALL, REFER TO DETAIL.                                                                                                                                              | 7<br>0.6  | 7B SHOWER AT DWELLING SEPARATION WALL SHALL BE PER:                                                                                                                                                   | 7<br>0.9  |
| FLOOR & ROOF TO EXT. WALL INTERSECTIONS AT 1-HR. RATED FIRE-RESISTIVE CONST. PER:                                                                                                                                          | 8<br>0.7  | FOR RECESSED LIGHT FIXTURE AT 1-HR. RATED GL.C. REFER TO                                                                                                                                              | 8<br>0.7  |
| EXT. DECK ASSEMBLIES SHALL BE 1-HR. RATED F.R. CONST. PER:                                                                                                                                                                 | 9<br>0.6  | ELEC. OUTLETS IN DWELL. UNIT SEPARATION WALLS GL.C. FIXTURES IN GL.C. PER:                                                                                                                            | 9<br>0.5  |
| 24HR AREA SEPARATION WALL SHALL BE 2-HR. F.R. CONST. PER:                                                                                                                                                                  | 10<br>0.6 | ONE HOUR INTERIOR STAIR SHALL BE CONSTRUCTED PER:                                                                                                                                                     | 10<br>0.7 |
| FOR INTERSECTING WALLS AT TWO HOUR AREA SEPARATION WALLS REFER TO DETAIL:                                                                                                                                                  | 11<br>0.6 |                                                                                                                                                                                                       |           |
| STAIR, ELEV., MECH. AND TRASH CHUTE SHAFTS WALLS (2HR FIRE BARRIER) SHALL BE 24HR FIRE RATED PER:                                                                                                                          | 12<br>0.6 |                                                                                                                                                                                                       |           |
| RECESSED MEDICINE CABT & ELEC. PANELS, FIRE EXTINGUISHING CABT & S WASH/DRYER HOOK-UPS IN RATED WALLS SHALL BE PER REFERRED DETAIL. SUCH CABT & S SHALL NOT BE LOCATED IN VESTIBULAR OR DAY UNIT SEP. OR SEPARATION WALLS. | 13<br>0.7 |                                                                                                                                                                                                       |           |

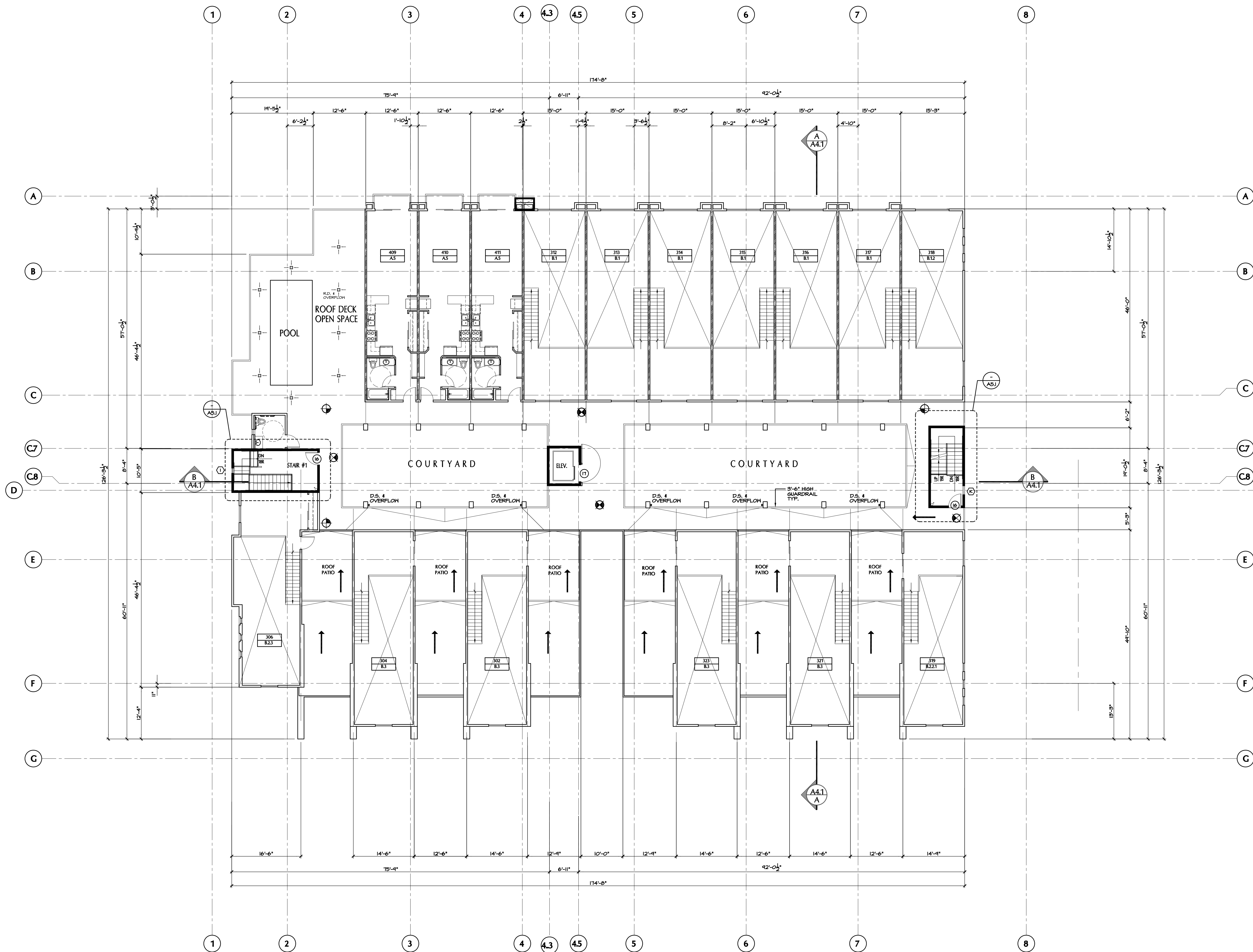
**NOTE: ALL CAVITIES SHALL BE FIRED-UP WITH INSULATION.**

## BUILDING PLAN SHEET KEYNOTES

|    |                                                                                                                 |                                                                                     |
|----|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 1  | 2-HR RATED GARAGE VENTILATION SHAFT. VERIFY SIZE WITH MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION.              |  |
| 2  | LINE OF FLAT ARCH / CEILING ABOVE.                                                                              |                                                                                     |
| 3  | LINE OF BUILDING OR BALCONY ABOVE.                                                                              |                                                                                     |
| 4  | INDICATES WATER CURTAIN SPRINKLER SYSTEM. SEE SHEET NOTE #1                                                     |                                                                                     |
| 5  | INDICATES SCUPPER PER:                                                                                          |  |
| 6  | INDICATES LOCATION OF DECK/FLR. DRAIN. INSTALL PER DECK WATERPROOFING AND DECK DRAIN MFR. RECOMMENDATIONS.      |                                                                                     |
| 7  | INDICATES STAND PIPE AS REQUIRED BY LOCAL FIRE DEPARTMENT.                                                      |                                                                                     |
| 8  | PLANTER AREA, FOR WATERPROOFING AND PLANTER DRAINS REFER TO LANDSCAPE PLAN.                                     |                                                                                     |
| 9  | PROPOSED MAIL BOX LOCATION. OBTAIN USPS APPROVAL PRIOR TO CONSTRUCTION.                                         |                                                                                     |
| 10 | INDICATES ELECTRIC TRANSFORMER LOCATION, REFER TO UTILITY PLANS.                                                |                                                                                     |
| 11 | WATERPROOF DECK TOPPING OVER CONCRETE WITH A SOLAR REFLECTANCE OF AT LEAST .30. DEX-O-TEX OR EQUAL R.R. # 02360 |                                                                                     |
| 12 | ROOF GARDEN TO BE DESIGNED BY WATERPROOFING AND LANDSCAPE CONSULTANTS.                                          |                                                                                     |
| 13 | INDICATES LOCATION OF CLASS 1 STAND PIPE TO BE INSTALLED IN ACCORDANCE WITH CBC SECTION 905 AND NFPA 14.        |                                                                                     |

NOTE: THIS BUILDING AND GARAGE MUST BE EQUIPPED WITH AN AUTOMATIC FIRE EXTINGUISHING SYSTEM, COMPLYING WITH (NFPA-13); THE SPRINKLER SYSTEM SHALL BE APPROVED BY PLUMBING DIV. PRIOR TO INSTALLATION." (903.2.8)

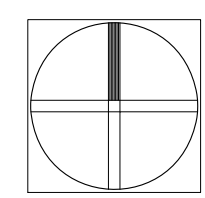
ALL EXTERIOR WALL TO BE A MIN. 2X6 WALL.



## FOURTH FLOOR PLAN



SCALE  $\frac{3}{32}"=1'-0"$



NORTH

KAMRAN  
TABRIZI,  
ARCHITECT &  
ASSOCIATES

21731 AMBAR DR.  
WOODLAND HILLS CA. 91364  
TEL. (818) 888-6365  
FAX: (818) 888-6725

PROJECT:  
ART SET  
60 UNIT APARTMENT BUILDING  
11525 CHANDLER BLVD.  
NORTH HOLLYWOOD, CA. 91601

OWNER:  
CHANDLER ART CENTER LLC  
12725 VENTURA BLVD.  
SUITE #D  
STUDIO CITY, CA 91604

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND  
COPYRIGHT OF THE ARCHITECT AND SHALL NOT BE USED ON ANY  
OTHER WORK EXCEPT BY AGREEMENT WITH THE ARCHITECT.  
WRITTEN DIMENSIONS TAKE PREFERENCE OVER SCALED DIMENSIONS  
AND SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY  
SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECT PRIOR TO  
COMMENCEMENT OF ANY WORK.

[illegible]

|            |            |
|------------|------------|
| CHECKED BY | DATE       |
| DRAWN BY   | JOB NUMBER |

SHEET TITLE

FOURTH FLOOR PLAN

|              |
|--------------|
| SHEET NUMBER |
|--------------|

## A1.4







PROJECT:  
ART SET  
60 UNIT APARTMENT BUILDING  
11525 CHANDLER BLVD.  
NORTH HOLLYWOOD, CA. 91601

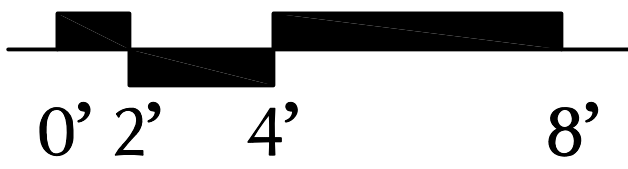
OWNER:  
CHANDLER ART CENTER LLC  
12725 VENTURA BLVD.  
SUITE #D  
STUDIO CITY, CA 91604



NORTH ELEVATION

FOR ELEVATION NOTES AND MATERIAL SEE SHEET A3.2 & A3.3

SCALE 3/16"=1'-0"



THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF THE ARCHITECT AND SHALL NOT BE USED ON ANY OTHER WORK EXCEPT BY AGREEMENT WITH THE ARCHITECT. WRITTEN DIMENSIONS TAKE PREFERENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK.

| CONSTRUCTION |          |      | PRE-CONSTRUCTION |      |  |
|--------------|----------|------|------------------|------|--|
| REV.         | BULLETIN | DATE | ISSUED FOR       | DATE |  |
|              |          |      |                  |      |  |
|              |          |      |                  |      |  |
|              |          |      |                  |      |  |
|              |          |      |                  |      |  |
|              |          |      |                  |      |  |
|              |          |      |                  |      |  |
|              |          |      |                  |      |  |
|              |          |      |                  |      |  |
|              |          |      |                  |      |  |

|            |            |
|------------|------------|
| CHECKED BY | DATE       |
| DRAWN BY   | JOB NUMBER |

SHEET TITLE

EXTERIOR ELEVATION

SHEET NUMBER

A3.1



| ELEVATION SHEET NOTES |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                    | FOR TOTAL FLASHING AT EXTERIOR OPENINGS REFER TO DETAIL: <span style="float: right;">(1)<br/>0.3</span>                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2.                    | FOR PENETRATION AT EXTERIOR WALLS REFER TO DETAIL: <span style="float: right;">(1B)<br/>0.4</span>                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 3.                    | PER PORTLAND CEMENT PLASTER/STUCCO MANUAL, EB948 AND NAIMM STANDARD EMMA GUIDE SPECIFICATIONS FOR EXPANDED METAL LATH AND FURRING 920 INSTALL STUCCO CONTROL JOINTS WITH THE FOLLOWING CRITERIA:<br>A. WALL AREAS, NOT MORE THAN 144 SQ. FT. IN AREA.<br>B. THE RATIO OF HEIGHT TO WIDTH OF EACH AREA SHALL NOT EXCEED 2 1/2:1 OR 12:12.<br>C. HORIZONTAL SURFACES: NOT MORE THAN 100 SQ. FT. IN AREA.                                                                                                                  |
| 4.                    | REFER TO ROOF PLAN FOR TYP. ARCHITECTURAL ROOF DETAILS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 5.                    | DISCHARGE POINT FOR EXHAUST AIR SHALL BE AT LEAST 3' AWAY FROM ANY OPENING WHICH ALLOWS AIR ENTRY INTO OCCUPIED PORTIONS OF THE BLDG. <span style="float: right;">(7)<br/>0.6</span>                                                                                                                                                                                                                                                                                                                                    |
| 6.                    | INSTALL DRIP SCREED AT ALL EXT. HORIZ. SURFACES MEETING (VERT) WALLS AND PREPARE TO PREVENT EXT. FIN. STUCCO FROM STAINING                                                                                                                                                                                                                                                                                                                                                                                              |
| 7.                    | THE FIRST 9" HEIGHT FROM FINISH GRADE OF EXTERIOR FINISH SHALL HAVE ANTI GRAFFITI TREATMENT BY "MONOPOLIE INC. R/R #22089.                                                                                                                                                                                                                                                                                                                                                                                              |
| 8.                    | PROVIDE 1/2" EXPANSION MATERIAL (COMPRESSIBLE FILLER STRIP) WHERE ALL EXTERIOR FLATWORK ABUTS BUILDING FOUNDATIONS.                                                                                                                                                                                                                                                                                                                                                                                                     |
| 9.                    | JOINTS:<br>A. SOLID FRAMING IS EXCLUDED BEHIND ALL STUCCO JOINTS.<br>B. REINFORCE THE WATER-RESISTIVE BARRIER WITH SELF ADHERED FLASHING AT ALL JOINT LOCATIONS. AT HORIZONTAL ASSEMBLIES, THE SAF SHOULD BE WEATHER LAPPED TO THE WATER RESISTIVE BARRIER.<br>C. LATH SHOULD ALWAYS BE INTERRUPTED AT EXPANSION JOINTS PER ASTM C 1063.<br>D. BUTT JOINTS AND MITERED CORNERS OF STUCCO CONTROL AND EXPANSION JOINTS SHALL BE EMBEDDED IN SEALANT TO PREVENT WATER INTRUSION AT THIS UNSEALED JUNCTION PER ASTM E2286. |
| 10.                   | ALL SEISMIC STRAPS AND OTHER EXPOSED STRUCTURAL HARDWARE TO BE COVERED WITH SELF ADHERED FLASHING PRIOR TO THE APPLICATION OF THE WATER RESISTIVE BARRIER.                                                                                                                                                                                                                                                                                                                                                              |

|    |                                                                    |    |                                                                                                                         |
|----|--------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------|
| 1  | GLASS 5" BUILT-UP ROOFING "GAFGLAS BY" GAF OR EQUIVA. ICC ESR 1274 | 12 | HARDIPLANK WOOD SIDING OR EQUAL TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL 19D.4, ICC ESR-2290 |
| 2  | 3/4" THK. EXT. SMOOTH FINISH PLASTER - WHITE COLOR                 | 13 | INDICATES LINE OF ROOF GUTTER. SIZE PER PLUMBING PLANS.                                                                 |
| 3  | ALUMINUM FRAME WINDOW, BLACK COLOR FRAME                           | 14 | LINE OF GALV. MTL. DOWNSPOUT. SIZE PER PLUMBING PLANS. PRIMED AND PAINTED.                                              |
| 4  | LINE OF BUILDING BEYOND.                                           | 15 | FRONT LOAD STOREFRONT ALUM GLAZING SYSTEM, BLACK FRAME                                                                  |
| 5  | ALUMINUM FRAME GLASS DOOR, BLACK COLOR FRAME                       | 16 | ALUMINUM RAILING                                                                                                        |
| 6  | GLASS RAILING                                                      | 17 | GALVANIZED METAL BALC. SCUPPER                                                                                          |
| 7  | 1" SQ. GALV. MTL. RAILING/GRILL, PRIMED & PAINTED PER SPECS.       | 18 | PROPOSED LOCATION OF BLDG. ADDRESS IN ACCORDANCE TO L.A.M.C. 57.09.11                                                   |
| 8  | GALV. MTL. ENTRY GATE, PRIME AND PAINTED BLACK COLOR.              | 19 | PROVIDE STUCCO CONTROL Joints AT HORIZ. SURFACES AT MAX. 10' EA. DIRECTION TYPIC.                                       |
| 9  | GALV. MTL. LVR. WALL VENT. BLACK COLOR                             | 20 | SHEET METAL ROOF<br>DARK GREY COLOR                                                                                     |
| 10 | LINE OF MTL. FLASHING AT ROOF TO WTL. CONTINUED.                   | 21 | SHEET METAL FACADE CLADDING<br>DARK GREY COLOR                                                                          |
| 11 | INDICATES LOCATION OF ELECTRIC, TRANSFORMER.                       |    |                                                                                                                         |



### A3.2



| ELEVATION SHEET NOTES |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1.                    | FOR TOTAL FLASHING AT EXTERIOR OPENINGS REFER TO DETAIL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (1)<br>0.3  |
| 2.                    | FOR PENETRATION AT EXTERIOR WALLS REFER TO DETAIL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (1B)<br>0.4 |
| 3.                    | PER PORTLAND CEMENT PLASTER/STUCCO MANUJAL, EMB04D AND NAMM STANDARD EMCA GUIDE SPECIFICATIONS FOR EXPANDED METAL LATH AND FURRING 920 INSTALL STUCCO CONTROL JOINTS WITH THE FOLLOWING CRITERIA:<br>A. WALL AREAS, NOT MORE THAN 144 SQ. FT. IN AREA.<br>B. THE RATIO OF HEIGHT TO WIDTH OF EACH AREA SHALL NOT EXCEED 2 1/2:1 OR 12:12.<br>C. HORIZONTAL SURFACES: NOT MORE THAN 100 SQ. FT. IN AREA.                                                                                                                 |             |
| 4.                    | REFER TO ROOF PLAN FOR TYP. ARCHITECTURAL ROOF DETAILS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |
| 5.                    | DISCHARGE POINT FOR EXHAUST AIR SHALL BE AT LEAST 3' AWAY FROM ANY OPENING WHICH ALLOWS AIR ENTRY INTO OCCUPIED PORTIONS OF THE BLDG.                                                                                                                                                                                                                                                                                                                                                                                   | (7)<br>0.6  |
| 6.                    | INSTALL DRIP SCREED AT ALL EXT. HORIZ. SURFACES MEETING (VERT) WALLS AND PREPARE TO PREVENT EX. FIN. STUCCO FROM STAINING                                                                                                                                                                                                                                                                                                                                                                                               |             |
| 7.                    | THE FIRST 9" HEIGHT FROM FINISH GRADE OF EXTERIOR FINISH SHALL HAVE ANTI GRAFFITI TREATMENT BY "MONOPOLIE INC. R/R #22080.                                                                                                                                                                                                                                                                                                                                                                                              |             |
| 8.                    | PROVIDE 1/2" EXPANSION MATERIAL (COMPRESSIBLE FILLER STRIP) WHERE ALL EXTERIOR FLATWORK ABUTS BUILDING FOUNDATIONS.                                                                                                                                                                                                                                                                                                                                                                                                     |             |
| 9.                    | JOINTS:<br>A. SOLID FRAMING IS EXTENDED BEHIND ALL STUCCO JOINTS.<br>B. REINFORCE THE WATER-RESISTIVE BARRIER WITH SELF ADHERED FLASHING AT ALL JOINT LOCATIONS. AT HORIZONTAL ASSEMBLIES, THE SAF SHOULD BE WEATHER LAPPED TO THE WATER RESISTIVE BARRIER.<br>C. LATH SHOULD ALWAYS BE INTERRUPTED AT EXPANSION JOINTS PER ASTM C 1063.<br>D. BUTT JOINTS AND MITERED CORNERS OF STUCCO CONTROL AND EXPANSION JOINTS SHALL BE EMBEDDED IN SEALANT TO PREVENT WATER INTRUSION AT THIS UNSEALED JUNCTION PER ASTM E2286. |             |
| 10.                   | ALL SEISMIC STRAPS AND OTHER EXPOSED STRUCTURAL HARDWARE TO BE COVERED WITH SELF ADHERED FLASHING PRIOR TO THE APPLICATION OF THE WATER RESISTIVE BARRIER.                                                                                                                                                                                                                                                                                                                                                              |             |

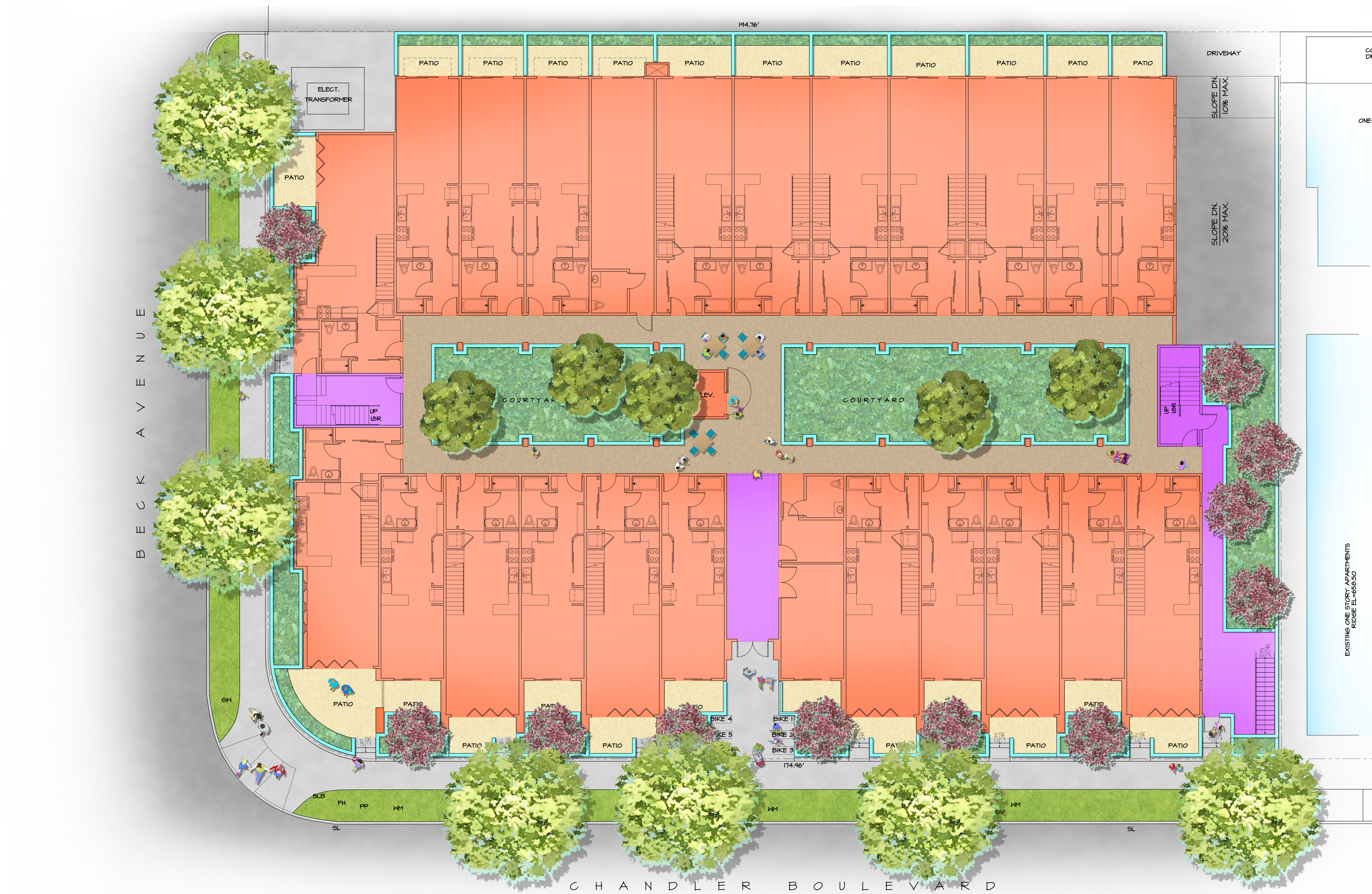
|    |                                                                    |    |                                                                                                                         |
|----|--------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------|
| 1  | GLASS 5" BUILT-UP ROOFING "GAFGLAS BY" GAF OR EQUIVA. ICC ESR 1274 | 12 | HARDIPLANK WOOD SIDING OR EQUAL TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL 19D.4, ICC ESR-2290 |
| 2  | 3/4" THK. EXT. SMOOTH FINISH PLASTER - WHITE COLOR                 | 13 | INDICATES LINE OF ROOF GUTTER. SIZE PER PLUMBING PLANS.                                                                 |
| 3  | ALUMINUM FRAME WINDOW, BLACK COLOR FRAME                           | 14 | LINE OF GALV. MTL. DOWNSPOUT. SIZE PER PLUMBING PLANS. PRIMED AND PAINTED.                                              |
| 4  | LINE OF BUILDING BEYOND.                                           | 15 | FRONT LOAD STOREFRONT ALUM GLAZING SYSTEM, BLACK FRAME                                                                  |
| 5  | ALUMINUM FRAME GLASS DOOR, BLACK COLOR FRAME                       | 16 | ALUMINUM RAILING                                                                                                        |
| 6  | GLASS RAILING                                                      | 17 | GALVANIZED METAL BALC. SCUPPER                                                                                          |
| 7  | 1" SQ. GALV. MTL. RAILING/RIFRIM, PRIMED & PAINTED PER SPECS.      | 18 | PROPOSED LOCATION OF BLDG. ADDRESS IN ACCORDANCE TO L.A.M.C. 57.09.11                                                   |
| 8  | GALV. MTL. ENTRY GATE, PRIME AND PAINTED BLACK COLOR.              | 19 | PROVIDE STUCCO CONTROL Joints AT HORIZ. SURFACES AT MAX. 10' EA. DIRECTION TYPIC.                                       |
| 9  | GALV. MTL. LVR. WALL VENT. BLACK COLOR                             | 20 | SHEET METAL ROOF<br>DARK GREY COLOR                                                                                     |
| 10 | LINE OF MTL. FLASHING AT ROOF TO WTL. CONTIN.                      | 21 | SHEET METAL FACADE CLADDING<br>DARK GREY COLOR                                                                          |
| 11 | INDICATES LOCATION OF ELECTRIC, TRANSFORMER.                       |    |                                                                                                                         |



OWNER:  
CHANDLER ART CENTER LLC  
12725 VENTURA BLVD.  
SUITE #D  
STUDIO CITY, CA 91604

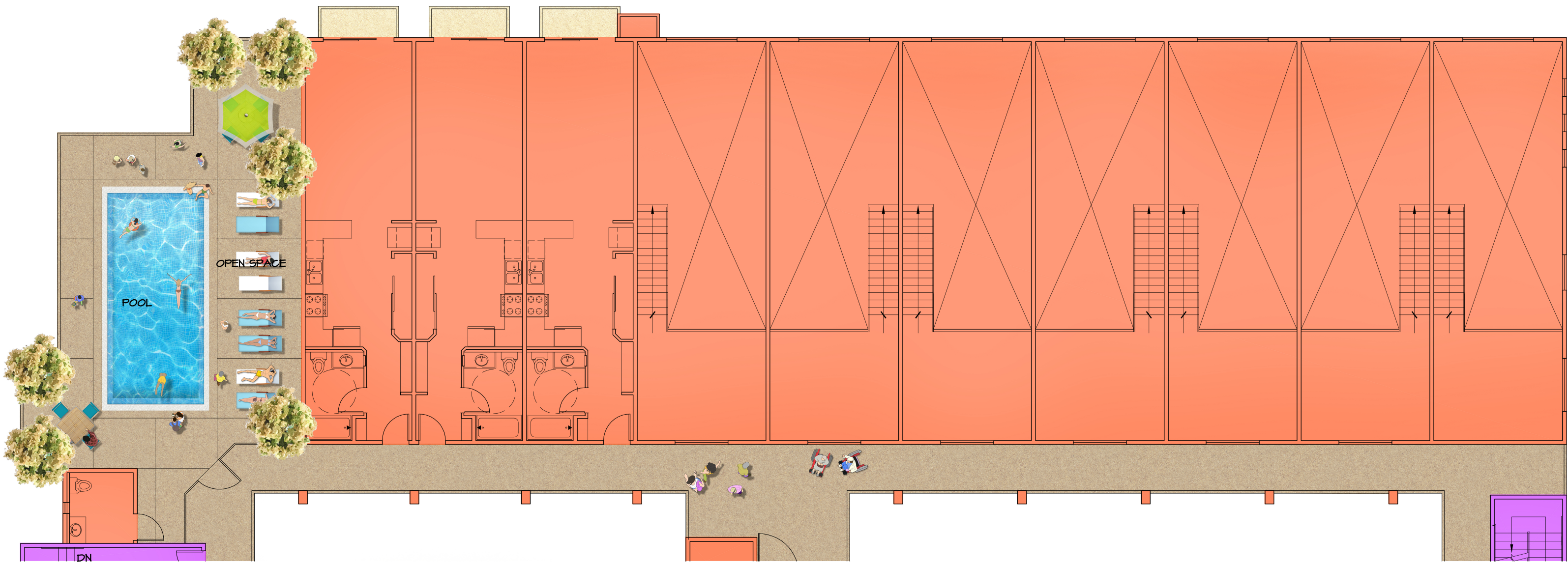
### A3.3





GROUND FLOOR - PRELIMINARY LANDSCAPE

SCALE: 3/32" = 1'-0"



4th FLOOR - PRELIMINARY LANDSCAPE

SCALE: 3/32" = 1'-0"

LANDSCAPE POINT SYSTEM

| REQUIRED        |                                                                                                                                            |        |          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|
| REFERENCE #     | UNIT TYPE                                                                                                                                  | POINTS | SQ. FEET |
| N/A             | ENTIRE SITE                                                                                                                                | 20     | 21,175   |
| TOTAL REQUIRED: |                                                                                                                                            | 20     |          |
| PROVIDED        |                                                                                                                                            |        |          |
| REFERENCE #     | UNIT TYPE                                                                                                                                  | POINTS | SQ. FEET |
| A               | 7- 24" BOX STREET TREES 1 POINTS EACH                                                                                                      | 1      | N/A      |
| B               | 16 TREE TAXON THAT DO NOT EXIST IN 1000 FT. RADIUS 5 PTS PER TREE UP TO 50% OF POINTS. MINIMUM 50 SQ. FT. PARKWAY IN D.S. UNDER TREE 3 PTS | 10     | N/A      |
| C               |                                                                                                                                            | 3      | N/A      |
| TOTAL PROVIDED: |                                                                                                                                            | 20     |          |

WATER MANAGEMENT POINT SYSTEM

| REQUIRED                  |                                                                                                                  |        |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------|--------|----------|
| REFERENCE #               | UNIT TYPE                                                                                                        | POINTS | SQ. FEET |
| N/A                       | ENTIRE SITE                                                                                                      | 100    | 6,075    |
| TOTAL REQUIRED / PROVIDED |                                                                                                                  | 100    |          |
| PROVIDED                  |                                                                                                                  |        |          |
| N/A                       | AUTO. CONTROLLERS                                                                                                | 5      | N/A      |
| D                         | ALL PLANTS ON SITE THAT WILL, IN DESIGNED LOCATION REMAIN IN GOOD HEALTH WITH NATURAL RAINFALL - 100% OF POINTS. | 100    |          |
| TOTAL PROVIDED:           |                                                                                                                  | 100    |          |

OPEN SPACE TABULATION

| REQUIRED                  |          |          |                |
|---------------------------|----------|----------|----------------|
| UNIT TYPE                 | QUANTITY | SQ. FEET | TOTAL SQ. FEET |
| < 3 HABITABLE ROOMS       | 60       | 100      | 6000           |
| 3 HABITABLE ROOMS         | 0        | 125      | 0              |
| > 3 HABITABLE ROOMS       | 0        | 175      | 0              |
| TOTAL REQUIRED:           |          | 6000     |                |
| PROVIDED                  |          |          |                |
| UNIT TYPE                 | QUANTITY | SQ. FEET | TOTAL SQ. FEET |
| ROOF PATIO                | N/A      | 1,331    | 1,331          |
| REAR YARD                 | N/A      | 906      | 906            |
| COURTYARD OPEN TO THE SKY | N/A      | 2,230    | 2,230          |
| PRIVATE BALCONY           | 42       | 2000     | 2000           |
| TOTAL REQUIRED:           |          | 6,467    |                |

RIO LANDSCAPE

|                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------|
| LANDSCAPE PROVIDED = 2500 SQ. FT. 100% OF PLANTING IS A COMBINATION OF NATIVE, WATER WISE AND LOS ANGELES COUNTY MASTER PLAN |
|------------------------------------------------------------------------------------------------------------------------------|

\*LACRMP

|                                                                                 |
|---------------------------------------------------------------------------------|
| LOS ANGELES COUNTY RIVER MASTER PLAN LANDSCAPING GUIDELINES AND PLANT PALETTES. |
|---------------------------------------------------------------------------------|

TREE LEGEND

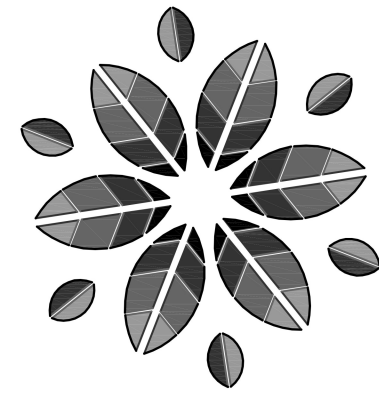
| SYMBOL | BOTANICAL NAME / *LACRMP<br>COMMON NAME<br>SIZE / QUANTITY/ WUCOLS                                                                                                                      |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | (B) C<br>AREBUTUS MENZIESII / *LACRMP<br>PACIFIC MADRONE<br>24 INCH BOX / 5 / MOD                                                                                                       |
|        | (B) C<br>CERCIS OCCIDENTALIS<br>WESTERN REDBUD<br>24 INCH BOX / 11 / MOD                                                                                                                |
|        | (A)<br>STREET TREE / PLATANUS RACEMOSA<br>PER URBAN FORESTRY - SEE NOTES<br>24 INCH BOX / 1<br>*LACRMP / LOS ANGELES COUNTY RIVER MASTER PLAN LANDSCAPING GUIDELINES AND PLANT PALETTES |

SHRUB LEGEND

| SYMBOL | BOTANICAL NAME / *LACRMP<br>COMMON NAME<br>SIZE / QUANTITY/ WUCOLS              |
|--------|---------------------------------------------------------------------------------|
|        | (B)<br>ACHILLEA MILLEFOLIUM / *LACRMP<br>YARROW<br>5 GAL / 50 / LOW             |
|        | (B)<br>ENCELIA CALIFORNICA / *LACRMP<br>CALIFORNIA ENCELIA<br>5 GAL / 50/ LOW   |
|        | (B)<br>PELLA MUCRONATA / *LACRMP<br>BIRDS FOOT FERN<br>1 GAL / 50 / LOW         |
|        | (B)<br>PRUNUS ILICIFOLIA / *LACRMP<br>HOLLY LEAF CHERRY<br>15 GAL / 75 / LOW    |
|        | (B)<br>SALVIA APIANA / *LACRMP<br>WHITE SAGE<br>1 GAL / 75 / LOW                |
|        | (B)<br>PENNISETUM S. SKY ROCKET<br>SKY ROCKET FOUNTAIN GRASS<br>1 GAL / 75/ LOW |

GROUND COVER LEGEND

| SYMBOL | COMMON NAME<br>BOTANICAL NAME<br>SIZE / QUANTITY / WUCOLS                 |
|--------|---------------------------------------------------------------------------|
|        | (B)<br>ARGOSTIS EXARATA / *LACRMP<br>BENT GRASS<br>SEED AS REQUIRED / LOW |
|        | MULCH<br>3" LAYER                                                         |



Susan E. McEowen  
LANDSCAPE ARCHITECT

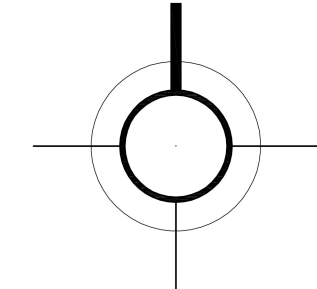
Susan E. McEowen  
Landscape Architect 2180  
A California Corporation  
19197 Golden Valley Road, #924  
Santa Clarita, CA 91387  
Office: (661) 294-3753  
Email: Landarch.Susan@gmail.com

ART SET

60 UNIT MIXED USE LIVE/WORK  
11525 CHANDLER BOULEVARD  
NOHO ART CENTER, CA 91601

CHANDLER ART CENTER, LLC.

12725 VENTURA BOULEVARD, SUITE D  
STUDIO CITY, CA 91604



2017-04-06

DATE

PL-1

PAGE

Drawings are not final and shall not be used for construction purposes until approved by the City of Los Angeles. The drawings are the property of Susan E. McEowen, Landscape Architect. These drawings are not to be reproduced or used in whole or part without prior written consent by Susan E. McEowen.  
Sheet Title: 2017-04-06  
Drawing Date: 2017-04-06  
Revision Date: 2017-04-06  
File Number: 2017-04-06























## **EXHIBIT B**

### **Environmental Clearance**

**MND, Health Risk Assessment, MMP**

CITY OF LOS ANGELES  
OFFICE OF THE CITY CLERK  
ROOM 395, CITY HALL  
LOS ANGELES, CALIFORNIA 90012  
CALIFORNIA ENVIRONMENTAL QUALITY ACT  
**PROPOSED MITIGATED NEGATIVE DECLARATION**

**LEAD CITY AGENCY**  
City of Los Angeles

**COUNCIL DISTRICT**  
CD 2 - PAUL KREKORIAN

**PROJECT TITLE**  
ENV-2016-4494-MND

**CASE NO.**  
CPC-2016-4493-VZC-SPR

**PROJECT LOCATION**  
11527 W CHANDLER BLVD

**PROJECT DESCRIPTION**

The demolition of existing structures and the construction, use, and maintenance of a new four-story, 46,377 square-foot, 60-unit multi-family residential development. The project would provide 62 automobile parking spaces and 66 bicycle parking spaces. Vehicular access would be from the adjoining alleyway. The applicant is requesting a Vesting Zone Change from [Q]C2-1VL and P-1VL Zones to (T)(Q)RAS4-1VL, Site Plan Review, and any addition actions including but not limited to, demolition, grading, excavation, haul route, and building permits.

**NAME AND ADDRESS OF APPLICANT IF OTHER THAN CITY AGENCY**

Chandler Art Centre, LLC  
12725 Ventura Boulevard #D  
Studio City, CA 91604

**FINDING:**

The City Planning Department of the City of Los Angeles has Proposed that a mitigated negative declaration be adopted for this project because the mitigation measure(s) outlined on the attached page(s) will reduce any potential significant adverse effects to a level of insignificance

(CONTINUED ON PAGE 2)

SEE ATTACHED SHEET(S) FOR ANY MITIGATION MEASURES IMPOSED.

Any written comments received during the public review period are attached together with the response of the Lead City Agency. The project decision-maker may adopt the mitigated negative declaration, amend it, or require preparation of an EIR. Any changes made should be supported by substantial evidence in the record and appropriate findings made.

THE INITIAL STUDY PREPARED FOR THIS PROJECT IS ATTACHED.

**NAME OF PERSON PREPARING THIS FORM**

JoJo Pawsang

**TITLE**

City Planning Associate

**TELEPHONE NUMBER**

(213) 978-1214

**ADDRESS**

200 N. SPRING STREET, 7th FLOOR  
LOS ANGELES, CA. 90012

**SIGNATURE (Official)**

*JoJo Pawsang*

**DATE**

JUNE 7, 2017



**V-50. Cultural/Historic Resources**

- The project will result in an impact on identified cultural/historical resources. However, the impact can be reduced to a less than significant level through compliance with the following measure(s):
- During the course of any ground disturbance activities, the applicant, or their agent, shall retain a professional Native American monitor(s). Ground disturbance activities shall include the following: excavating, digging, trenching, plowing, drilling, tunneling, quarrying, grading, leveling, removing peat, clearing, pounding posts, augering, backfilling, blasting, stripping topsoil or a similar activity. Monitoring of the project site during ground disturbance activities shall comply with the following: • The applicant, or their agent, shall obtain a professional Native American monitor, or monitors, by contacting the Gabrieleno Band of Mission Indians. Prior to the issuance of a grading permit, evidence shall be provided to the Department of City Planning that monitor(s) have been obtained; • A monitor shall be secured for each grading unit. In the event that there are simultaneous grading units operating at the same time, there shall be one monitor per grading unit; • In the event that subsurface archaeological resources, human remains, or other tribal cultural resources are encountered during the course of ground disturbance activities, all such activities shall temporarily cease on the project site until the archaeological or other tribal cultural resources are assessed and subsequent recommendations are determined by a qualified archaeologist. In the event that human remains are discovered, there shall be no disposition of such human remains, other than in accordance with the procedures and requirements set forth in California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98, including the required notification to the County Coroner and the Native American Heritage Commission; • In the event that subsurface resources are encountered during the course of ground disturbance activities, the qualified archaeologist on site shall specify a radius around where resources were encountered to protect such resources until the procedures

**X-60. Land Use/Planning**

- The project will result in land use and/or planning impact(s). However, the impact(s) can be reduced to a less than significant level through compliance with the following measure(s):
- An air filtration system shall be installed and maintained with filters meeting or exceeding the ASHRAE Standard 52.2 Minimum Efficiency Reporting Value (MERV) of 12, to the satisfaction of the Department of Building and Safety.

**XII-20. Increased Noise Levels (Demolition, Grading, and Construction Activities)**

- Construction and demolition shall be restricted to the hours of 7:00 am to 6:00 pm Monday through Friday, and 8:00 am to 6:00 pm on Saturday.
- Demolition and construction activities shall be scheduled so as to avoid operating several pieces of equipment simultaneously, which causes high noise levels.
- The project contractor shall use power construction equipment with state-of-the-art noise shielding and muffling devices.
- The construction contractor shall use on-site electrical sources or solar generators to power equipment rather than diesel generators where feasible.

**XVI-50. Inadequate Emergency Access**

- Environmental impacts may result from project implementation due to inadequate emergency access. However, these impacts can be mitigated to a less than significant level by the following measure:
- The applicant shall submit a parking and driveway plan to the Bureau of Engineering and the Department of Transportation for approval that provides code-required emergency access.

**XVI-80. Transportation/Traffic**

- The project will result in impacts to transportation and/or traffic systems. However, the impact can be reduced to a less than significant level through compliance with the following measure(s):
- Applicant shall plan construction and construction staging as to maintain pedestrian access on adjacent sidewalks throughout all construction phases. This requires the applicant to maintain adequate and safe pedestrian protection, including physical separation (including utilization of barriers such as K-Rails or scaffolding, etc.) from work space and vehicular traffic and overhead protection, due to sidewalk closure or blockage, at all times.
- Temporary pedestrian facilities should be adjacent to the project site and provide safe, accessible routes that replicate as nearly as practical the most desirable characteristics of the existing facility.
- Covered walkways shall be provided where pedestrians are exposed to potential injury from falling objects.

- Applicant shall keep sidewalk open during construction until only when it is absolutely required to close or block sidewalk for construction staging. Sidewalk shall be reopened as soon as reasonably feasible taking construction and construction staging into account.



**CITY OF LOS ANGELES**  
OFFICE OF THE CITY CLERK  
ROOM 395, CITY HALL  
LOS ANGELES, CALIFORNIA 90012  
**CALIFORNIA ENVIRONMENTAL QUALITY ACT**  
**INITIAL STUDY**  
**and CHECKLIST**  
(CEQA Guidelines Section 15063)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                   |  |                                                                    |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------|--|
| <b>LEAD CITY AGENCY:</b><br>City of Los Angeles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | <b>COUNCIL DISTRICT:</b><br>CD 2 - PAUL KREKORIAN                                                                                                                 |  | <b>DATE:</b>                                                       |  |
| <b>RESPONSIBLE AGENCIES:</b> Department of City Planning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                   |  |                                                                    |  |
| <b>ENVIRONMENTAL CASE:</b><br>ENV-2016-4494-MND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | <b>RELATED CASES:</b><br>CPC-2016-4493-VZC-SPR                                                                                                                    |  |                                                                    |  |
| <b>PREVIOUS ACTIONS CASE NO.:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | <input type="checkbox"/> Does have significant changes from previous actions.<br><input type="checkbox"/> Does NOT have significant changes from previous actions |  |                                                                    |  |
| <b>PROJECT DESCRIPTION:</b><br>PROPOSED 60 UNIT APARTMENT WITH SUBTERRRANEAN GARAGE. THE PROPOSED BUILDING WILL HAVE FOUR FLOORS IN THE PROPOSED RAS4 ZONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                   |  |                                                                    |  |
| <b>ENV PROJECT DESCRIPTION:</b><br>The demolition of existing structures and the construction, use, and maintenance of a new four-story, 46,377 square-foot, 60-unit multi-family residential development. The project would provide 62 automobile parking spaces and 66 bicycle parking spaces. Vehicular access would be from the adjoining alleyway. The applicant is requesting a Vesting Zone Change from [Q]C2-1VL and P-1VL Zones to (T)(Q)RAS4-1VL, Site Plan Review, and any addition actions including but not limited to, demolition, grading, excavation, haul route, and building permits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                   |  |                                                                    |  |
| <b>ENVIRONMENTAL SETTINGS:</b><br>The subject property is a rectangular-shaped, level, corner lot consisting of eight lots with a frontage of 195 feet on the north side of Chandler Boulevard and 195 feet on the south side of the alley, and a frontage of 140 feet on the east side of Beck Avenue. The site was developed with two single-family dwellings that have since been demolished.<br><br>The site is zoned [Q]C2-1VL and P-1VL and is located within the North Hollywood-Valley Village Community Plan. The site is located within a methane buffer zone, a liquefaction area, and is 4.1 kilometers from the nearest known fault (Hollywood Fault).<br><br>The northern adjoining property is zoned [Q]R3-1 and is developed with multi-family residential with alley vehicular access. The eastern adjoining property is dual zoned [Q]C2-1VL and P-1VL and is developed with a six unit apartment. The southern adjoining property is zoned PF-1VL and is developed with the Orange Line busway. The western adjoining properties (across Beck Avenue) are zoned PF-1VL and R1-1 and are developed with open space, a storm channel, and a single-family dwelling. |  |                                                                                                                                                                   |  |                                                                    |  |
| <b>PROJECT LOCATION:</b><br>11527 W CHANDLER BLVD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                   |  |                                                                    |  |
| <b>COMMUNITY PLAN AREA:</b><br>NORTH HOLLYWOOD - VALLEY VILLAGE<br><br><b>STATUS:</b><br><br><input type="checkbox"/> Does Conform to Plan<br><input type="checkbox"/> Does NOT Conform to Plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | <b>AREA PLANNING COMMISSION:</b><br>SOUTH VALLEY                                                                                                                  |  | <b>CERTIFIED NEIGHBORHOOD COUNCIL:</b><br>MID-TOWN NORTH HOLLYWOOD |  |
| <b>EXISTING ZONING:</b><br>[Q]C2-1VL P-1VL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | <b>MAX. DENSITY/INTENSITY ALLOWED BY ZONING:</b>                                                                                                                  |  | <b>LA River Adjacent:</b>                                          |  |
| <b>GENERAL PLAN LAND USE:</b><br>NEIGHBORHOOD OFFICE COMMERCIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | <b>MAX. DENSITY/INTENSITY ALLOWED BY PLAN DESIGNATION:</b>                                                                                                        |  |                                                                    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | <b>PROPOSED PROJECT DENSITY:</b>                                                                                                                                  |  |                                                                    |  |

## Determination (To Be Completed By Lead Agency)

On the basis of this initial evaluation:

- ☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.
- ☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions on the project have been made by or agreed to by the project proponent. A **MITIGATED NEGATIVE DECLARATION** will be prepared.
- ☐ I find the proposed project MAY have a significant effect on the environment, and an **ENVIRONMENTAL IMPACT REPORT** is required.
- ☐ I find the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on earlier analysis as described on attached sheets. An **ENVIRONMENTAL IMPACT REPORT** is required, but it must analyze only the effects that remain to be addressed.
- ☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or **NEGATIVE DECLARATION** pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or **NEGATIVE DECLARATION**, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

---

City Planning Associate

(213) 978-1214

---

Signature

Title

Phone

---

### Evaluation Of Environmental Impacts:

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
4. "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of a mitigation measure has reduced an effect from "Potentially Significant Impact" to "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross-referenced).
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR, or negative declaration. Section 15063 (c)(3)(D). In this case, a brief discussion should identify the following:
  - a. Earlier Analysis Used. Identify and state where they are available for review.
  - b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
  - c. Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.



6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A sources list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
  - a. The significance criteria or threshold, if any, used to evaluate each question; and
  - b. The mitigation measure identified, if any, to reduce the impact to less than significance.

## Environmental Factors Potentially Affected:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

|                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                  |                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| <input type="checkbox"/> AESTHETICS<br><input type="checkbox"/> AGRICULTURE AND FOREST RESOURCES<br><input type="checkbox"/> AIR QUALITY<br><input type="checkbox"/> BIOLOGICAL RESOURCES<br><input checked="" type="checkbox"/> CULTURAL RESOURCES<br><input type="checkbox"/> GEOLOGY AND SOILS | <input type="checkbox"/> GREEN HOUSE GAS EMISSIONS<br><input type="checkbox"/> HAZARDS AND HAZARDOUS MATERIALS<br><input type="checkbox"/> HYDROLOGY AND WATER QUALITY<br><input checked="" type="checkbox"/> LAND USE AND PLANNING<br><input type="checkbox"/> MINERAL RESOURCES<br><input checked="" type="checkbox"/> NOISE | <input type="checkbox"/> POPULATION AND HOUSING<br><input type="checkbox"/> PUBLIC SERVICES<br><input type="checkbox"/> RECREATION<br><input checked="" type="checkbox"/> TRANSPORTATION/TRAFFIC<br><input type="checkbox"/> TRIBAL CULTURAL RESOURCES<br><input type="checkbox"/> UTILITIES AND SERVICE SYSTEMS | <input type="checkbox"/> MANDATORY FINDINGS OF SIGNIFICANCE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|

## INITIAL STUDY CHECKLIST (To be completed by the Lead City Agency)

### *Background*

#### PROPONENT NAME:

Chandler Art Centre, LLC

#### PHONE NUMBER:

(323) 371-0061

#### APPLICANT ADDRESS:

12725 Ventura Boulevard #D  
 Studio City, CA 91604

#### AGENCY REQUIRING CHECKLIST:

Department of City Planning

#### DATE SUBMITTED:

11/28/2016

#### PROPOSAL NAME (if Applicable):



| Potentially significant impact | Less than significant with mitigation incorporated | Less than significant impact | No impact |
|--------------------------------|----------------------------------------------------|------------------------------|-----------|
|--------------------------------|----------------------------------------------------|------------------------------|-----------|

#### I. AESTHETICS

|                                                                                                                                                          |  |  |   |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---|---|
| a. Have a substantial adverse effect on a scenic vista?                                                                                                  |  |  |   | ✓ |
| b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? |  |  |   | ✓ |
| c. Substantially degrade the existing visual character or quality of the site and its surroundings?                                                      |  |  | ✓ |   |
| d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?                                    |  |  | ✓ |   |

#### II. AGRICULTURE AND FOREST RESOURCES

|                                                                                                                                                                                                                                                                                            |  |  |  |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---|
| a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?                                              |  |  |  | ✓ |
| b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?                                                                                                                                                                                                       |  |  |  | ✓ |
| c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))? |  |  |  | ✓ |
| d. Result in the loss of forest land or conversion of forest land to non-forest use?                                                                                                                                                                                                       |  |  |  | ✓ |
| e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?                                                                               |  |  |  | ✓ |

#### III. AIR QUALITY

|                                                                                                                                                                                                                                                                                             |  |  |   |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---|--|
| a. Conflict with or obstruct implementation of the applicable air quality plan?                                                                                                                                                                                                             |  |  | ✓ |  |
| b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?                                                                                                                                                                          |  |  | ✓ |  |
| c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)? |  |  | ✓ |  |
| d. Expose sensitive receptors to substantial pollutant concentrations?                                                                                                                                                                                                                      |  |  | ✓ |  |
| e. Create objectionable odors affecting a substantial number of people?                                                                                                                                                                                                                     |  |  | ✓ |  |

#### IV. BIOLOGICAL RESOURCES

|                                                                                                                                                                                                                                                                                                                      |  |  |  |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---|
| a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service? |  |  |  | ✓ |
| b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?                                                               |  |  |  | ✓ |
| c. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?                                                 |  |  |  | ✓ |
| d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?                                                                                   |  |  |  | ✓ |
| e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?                                                                                                                                                                                  |  |  |  | ✓ |
| f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?                                                                                                                                 |  |  |  | ✓ |

#### V. CULTURAL RESOURCES

| Potentially significant impact | Less than significant with mitigation incorporated | Less than significant impact | No impact |
|--------------------------------|----------------------------------------------------|------------------------------|-----------|
|--------------------------------|----------------------------------------------------|------------------------------|-----------|

|    |                                                                                                             |  |   |  |
|----|-------------------------------------------------------------------------------------------------------------|--|---|--|
| a. | Cause a substantial adverse change in the significance of a historical resource as defined in § 15064.5?    |  | ✓ |  |
| b. | Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5? |  | ✓ |  |
| c. | Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?        |  | ✓ |  |
| d. | Disturb any human remains, including those interred outside of formal cemeteries?                           |  | ✓ |  |

#### VI. GEOLOGY AND SOILS

|    |                                                                                                                                                                                                                                                                                                                                                                                                                   |  |   |   |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|---|
| a. | Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving: Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. |  |   | ✓ |
| b. | Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving: Strong seismic ground shaking?                                                                                                                                                                                                                                                      |  |   | ✓ |
| c. | Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving: Seismic-related ground failure, including liquefaction?                                                                                                                                                                                                                             |  | ✓ |   |
| d. | Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving: Landslides?                                                                                                                                                                                                                                                                         |  |   | ✓ |
| e. | Result in substantial soil erosion or the loss of topsoil?                                                                                                                                                                                                                                                                                                                                                        |  | ✓ |   |
| f. | Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?                                                                                                                                                                                   |  |   | ✓ |
| g. | Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?                                                                                                                                                                                                                                                                     |  | ✓ |   |
| h. | Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?                                                                                                                                                                                                                                 |  |   | ✓ |

#### VII. GREEN HOUSE GAS EMISSIONS

|    |                                                                                                                               |  |   |  |
|----|-------------------------------------------------------------------------------------------------------------------------------|--|---|--|
| a. | Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?      |  | ✓ |  |
| b. | Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? |  | ✓ |  |

#### VIII. HAZARDS AND HAZARDOUS MATERIALS

|    |                                                                                                                                                                                                                                                               |  |   |   |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|---|
| a. | Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?                                                                                                                          |  | ✓ |   |
| b. | Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?                                                                  |  | ✓ |   |
| c. | Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?                                                                                                  |  | ✓ |   |
| d. | Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?                                   |  |   | ✓ |
| e. | For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area? |  |   | ✓ |
| f. | For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?                                                                                                      |  |   | ✓ |
| g. | Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?                                                                                                                                        |  |   | ✓ |

| Potentially significant impact | Less than significant with mitigation incorporated | Less than significant impact | No impact |
|--------------------------------|----------------------------------------------------|------------------------------|-----------|
|--------------------------------|----------------------------------------------------|------------------------------|-----------|

|                                        |                                                                                                                                                                                                                                                                                                                                                                                           |  |   |   |   |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|---|---|
| h.                                     | Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?                                                                                                                                                                         |  |   |   | ✓ |
| <b>IX. HYDROLOGY AND WATER QUALITY</b> |                                                                                                                                                                                                                                                                                                                                                                                           |  |   |   |   |
| a.                                     | Violate any water quality standards or waste discharge requirements?                                                                                                                                                                                                                                                                                                                      |  |   | ✓ |   |
| b.                                     | Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of preexisting nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)? |  |   |   | ✓ |
| c.                                     | Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?                                                                                                                                                           |  |   | ✓ |   |
| d.                                     | Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?                                                                                                                    |  |   | ✓ |   |
| e.                                     | Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?                                                                                                                                                                                                        |  |   | ✓ |   |
| f.                                     | Otherwise substantially degrade water quality?                                                                                                                                                                                                                                                                                                                                            |  |   |   | ✓ |
| g.                                     | Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?                                                                                                                                                                                                                         |  |   |   | ✓ |
| h.                                     | Place within a 100-year flood hazard area structures which would impede or redirect flood flows?                                                                                                                                                                                                                                                                                          |  |   |   | ✓ |
| i.                                     | Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?                                                                                                                                                                                                                           |  |   |   | ✓ |
| j.                                     | Inundation by seiche, tsunami, or mudflow?                                                                                                                                                                                                                                                                                                                                                |  |   |   | ✓ |
| <b>X. LAND USE AND PLANNING</b>        |                                                                                                                                                                                                                                                                                                                                                                                           |  |   |   |   |
| a.                                     | Physically divide an established community?                                                                                                                                                                                                                                                                                                                                               |  |   |   | ✓ |
| b.                                     | Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?                                                                                  |  | ✓ |   |   |
| c.                                     | Conflict with any applicable habitat conservation plan or natural community conservation plan?                                                                                                                                                                                                                                                                                            |  |   |   | ✓ |
| <b>XI. MINERAL RESOURCES</b>           |                                                                                                                                                                                                                                                                                                                                                                                           |  |   |   |   |
| a.                                     | Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?                                                                                                                                                                                                                                                       |  |   |   | ✓ |
| b.                                     | Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?                                                                                                                                                                                                                        |  |   |   | ✓ |
| <b>XII. NOISE</b>                      |                                                                                                                                                                                                                                                                                                                                                                                           |  |   |   |   |
| a.                                     | Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?                                                                                                                                                                                                          |  | ✓ |   |   |
| b.                                     | Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?                                                                                                                                                                                                                                                                                      |  |   | ✓ |   |
| c.                                     | A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?                                                                                                                                                                                                                                                               |  |   | ✓ |   |
| d.                                     | A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?                                                                                                                                                                                                                                                   |  |   | ✓ |   |



| Potentially significant impact | Less than significant with mitigation incorporated | Less than significant impact | No impact |
|--------------------------------|----------------------------------------------------|------------------------------|-----------|
|--------------------------------|----------------------------------------------------|------------------------------|-----------|

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |   |   |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---|---|
| e.                                  | For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?                                                                                                                                                                                  |  |  |   | ✓ |
| f.                                  | For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?                                                                                                                                                                                                                                                                                       |  |  |   | ✓ |
| <b>XIII. POPULATION AND HOUSING</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |   |   |
| a.                                  | Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?                                                                                                                                                                                                                                            |  |  | ✓ |   |
| b.                                  | Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?                                                                                                                                                                                                                                                                                                                                |  |  | ✓ |   |
| c.                                  | Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?                                                                                                                                                                                                                                                                                                                                          |  |  | ✓ |   |
| <b>XIV. PUBLIC SERVICES</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |   |   |
| a.                                  | Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services: Fire protection?         |  |  | ✓ |   |
| b.                                  | Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services: Police protection?       |  |  | ✓ |   |
| c.                                  | Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services: Schools?                 |  |  | ✓ |   |
| d.                                  | Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services: Parks?                   |  |  | ✓ |   |
| e.                                  | Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services: Other public facilities? |  |  | ✓ |   |
| <b>XV. RECREATION</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |   |   |
| a.                                  | Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?                                                                                                                                                                                                                                       |  |  | ✓ |   |
| b.                                  | Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?                                                                                                                                                                                                                                                              |  |  | ✓ |   |
| <b>XVI. TRANSPORTATION/TRAFFIC</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |   |   |
| a.                                  | Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?                        |  |  | ✓ |   |

| Potentially significant impact | Less than significant with mitigation incorporated | Less than significant impact | No impact |
|--------------------------------|----------------------------------------------------|------------------------------|-----------|
|--------------------------------|----------------------------------------------------|------------------------------|-----------|

|    |                                                                                                                                                                                                                                                               |  |   |   |   |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|---|---|
| b. | Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?   |  |   | ✓ |   |
| c. | Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?                                                                                                  |  |   |   | ✓ |
| d. | Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?                                                                                                           |  | ✓ |   |   |
| e. | Result in inadequate emergency access?                                                                                                                                                                                                                        |  | ✓ |   |   |
| f. | Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities supporting alternative transportation (e.g., bus turnouts, bicycle racks)? |  |   |   | ✓ |

#### XVII. TRIBAL CULTURAL RESOURCES

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |   |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---|--|
| a. | Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is: Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or                                                                                                                                                                                                                          |  |  | ✓ |  |
| b. | Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is: A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe. |  |  | ✓ |  |

#### XVIII. UTILITIES AND SERVICE SYSTEMS

|    |                                                                                                                                                                                                                                |  |  |   |  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---|--|
| a. | Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?                                                                                                                               |  |  | ✓ |  |
| b. | Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?                            |  |  | ✓ |  |
| c. | Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?                                     |  |  | ✓ |  |
| d. | Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?                                                                            |  |  | ✓ |  |
| e. | Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? |  |  | ✓ |  |
| f. | Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?                                                                                                            |  |  | ✓ |  |
| g. | Comply with federal, state, and local statutes and regulations related to solid waste?                                                                                                                                         |  |  | ✓ |  |

#### XIX. MANDATORY FINDINGS OF SIGNIFICANCE

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |   |  |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---|--|
| a. | Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? |  |  | ✓ |  |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---|--|

| Potentially significant impact | Less than significant with mitigation incorporated | Less than significant impact | No impact |
|--------------------------------|----------------------------------------------------|------------------------------|-----------|
|--------------------------------|----------------------------------------------------|------------------------------|-----------|

|    |                                                                                                                                                                                                                                                                                                                                             |  |  |   |  |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---|--|
| b. | Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)? |  |  | ✓ |  |
| c. | Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?                                                                                                                                                                                                    |  |  | ✓ |  |

Note: Authority cited: Sections 21083, 21083.05, Public Resources Code. Reference: Section 65088.4, Gov. Code; Sections 21080, 21083.05, 21095, Pub. Resources Code; *Eureka Citizens for Responsible Govt. v. City of Eureka* (2007) 147 Cal.App.4th 357; *Protect the Historic Amador Waterways v. Amador Water Agency* (2004) 116 Cal.App.4th at 1109; *San Franciscans Upholding the Downtown Plan v. City and County of San Francisco* (2002) 102 Cal.App.4th 656.



## DISCUSSION OF THE ENVIRONMENTAL EVALUATION (Attach additional sheets if necessary)

The Environmental Impact Assessment includes the use of official City of Los Angeles and other government source reference materials related to various environmental impact categories (e.g., Hydrology, Air Quality, Biology, Cultural Resources, etc.). The State of California, Department of Conservation, Division of Mines and Geology - Seismic Hazard Maps and reports, are used to identify potential future significant seismic events; including probable magnitudes, liquefaction, and landslide hazards. Based on applicant information provided in the Master Land Use Application and Environmental Assessment Form, impact evaluations were based on stated facts contained therein, including but not limited to, reference materials indicated above, field investigation of the project site, and any other reliable reference materials known at the time.

Project specific impacts were evaluated based on all relevant facts indicated in the Environmental Assessment Form and expressed through the applicant's project description and supportive materials. Both the Initial Study Checklist and Checklist Explanations, in conjunction with the City of Los Angeles's Adopted Thresholds Guide and CEQA Guidelines, were used to reach reasonable conclusions on environmental impacts as mandated under the California Environmental Quality Act (CEQA).

The project as identified in the project description may cause potentially significant impacts on the environment without mitigation. Therefore, this environmental analysis concludes that a Mitigated Negative Declaration shall be issued to avoid and mitigate all potential adverse impacts on the environment by the imposition of mitigation measures and/or conditions contained and expressed in this document; the environmental case file known as **ENV-2016-4494-MND** and the associated case(s), **CPC-2016-4493-VZC-SPR**. Finally, based on the fact that these impacts can be feasibly mitigated to less than significant, and based on the findings and thresholds for Mandatory Findings of Significance as described in the California Environmental Quality Act, section 15065, the overall project impact(s) on the environment (after mitigation) will not:

- Substantially degrade environmental quality.
- Substantially reduce fish or wildlife habitat.
- Cause a fish or wildlife habitat to drop below self sustaining levels.
- Threaten to eliminate a plant or animal community.
- Reduce number, or restrict range of a rare, threatened, or endangered species.
- Eliminate important examples of major periods of California history or prehistory.
- Achieve short-term goals to the disadvantage of long-term goals.
- Result in environmental effects that are individually limited but cumulatively considerable.
- Result in environmental effects that will cause substantial adverse effects on human beings.

### ADDITIONAL INFORMATION:

All supporting documents and references are contained in the Environmental Case File referenced above and may be viewed in the EIR Unit, Room 763, City Hall.

For City information, addresses and phone numbers: visit the City's website at <http://www.lacity.org> ; City Planning - and Zoning Information Mapping Automated System (ZIMAS) [cityplanning.lacity.org/](http://cityplanning.lacity.org/) or EIR Unit, City Hall, 200 N Spring Street, Room 763.

Seismic Hazard Maps - <http://gmw.consrv.ca.gov/shmp/>

Engineering/Infrastructure/Topographic Maps/Parcel Information - <http://boemaps.eng.ci.la.ca.us/index01.htm> or City's main website under the heading "Navigate LA".

| PREPARED BY: | TITLE:                  | TELEPHONE NO.: | DATE:      |
|--------------|-------------------------|----------------|------------|
|              | City Planning Associate | (213) 978-1214 | 05/12/2017 |

| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

## APPENDIX A: ENVIRONMENTAL IMPACTS EXPLANATION TABLE

| <b>I. AESTHETICS</b>                        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| a.                                          | NO IMPACT                    | The existing visual character of the surrounding locale is highly urban and the project site is not located within or along a designated scenic highway, corridor, or parkway. No designated scenic vistas in the local area would be impeded, and the project will not substantially block any scenic vistas. Therefore, no impact will result.                                                                                                                                                                                                                                                                                                                                                              |
| b.                                          | NO IMPACT                    | A significant impact would occur only if scenic resources would be damaged or removed by a project, such as a tree, rock outcropping, or historic building within a designated scenic highway. There are no identified scenic resources such as rock outcroppings or historic buildings located on-site. The building has not been identified as requiring Historic Preservation Review. No impact will result.                                                                                                                                                                                                                                                                                               |
| c.                                          | LESS THAN SIGNIFICANT IMPACT | A significant impact may occur if a project were to introduce incompatible visual elements on the Project Site or visual elements that would be incompatible with the character of the area surrounding the Project Site. This development would activate a currently underutilized parcel that is developed with vacant single-family dwellings. Moreover, the Project's design reduces its apparent bulk and mass. The façade features articulation (window and balconies pop out) and material changes to reduce its apparent bulk. Therefore, the Project would not degrade the existing visual character or quality of the Project Site and its surroundings and impacts would be less than significant. |
| d.                                          | LESS THAN SIGNIFICANT IMPACT | The Project includes an increase in window and building surfaces in comparison to the existing uses. This increase in surfaces will have the potential to reflect light onto adjacent roadways and land uses. Glass that will be incorporated into the facades of the building will either be of low-reflectivity or accompanied by a non-glare coating. Due to SB 743, the Project will not result in a new source of substantial glare. Impacts will be less than significant.                                                                                                                                                                                                                              |
| <b>II. AGRICULTURE AND FOREST RESOURCES</b> |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|----|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | NO IMPACT | A significant impact would occur if the proposed project would convert valued farmland to non-agricultural uses. The project site is developed with fast-food restaurant. No Farmland, agricultural uses, or related operations are present within the project site or surrounding area. Due to its urban setting, the project site and surrounding area are not included in the Farmland Mapping and Monitoring Program of the California Resources Agency. Therefore, the proposed project would not convert any Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural use, and no impact would occur. |  |
| b. | NO IMPACT | A significant impact would occur if the proposed project conflicted with existing agricultural zoning or agricultural parcels enrolled under a Williamson Act Contract. The project site is not zoned for agricultural use or under a Williamson Act Contract. The project site is currently zoned [Q]C2-1VL and P-1VL. As the project site and surrounding area do not contain farmland of any type, the proposed project would not conflict with a Williamson Act Contract. Therefore, no impact would occur.                                                                                                                             |  |
| c. | NO IMPACT | Neither the project site nor surrounding parcels are zoned for forest land or timberland. No impacts related to forest land or timberland will occur.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| d. | NO IMPACT | The proposed project is completely surrounded by urban uses and infrastructure, and is not forest land. No impact related to the loss of forest land or conversion of forest land will occur.                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| e. | NO IMPACT | The project site is located in a developed urban area. There is no farmland or agricultural or forest uses on or in close proximity to the site. No impact will occur.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |

### III. AIR QUALITY

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|----|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | LESS THAN SIGNIFICANT IMPACT | The South Coast Air Quality Management District (SCAQMD) is the agency primarily responsible for comprehensive air pollution control in the South Coast Air Basin and reducing emissions from area and point stationary, mobile, and indirect sources. SCAQMD prepared the 2012 Air Quality Management Plan (AQMP) to meet federal and state ambient air quality standards. A significant air quality impact may occur if a project is inconsistent with |  |
|----|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|



| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|----|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|    |                              | the AQMP or would in some way represent a substantial hindrance to employing the policies or obtaining the goals of that plan. The proposed project with 60 residential units is not expected to conflict with or obstruct the implementation of the AQMP and SCAQMD rules. The proposed project is also subject to the City's Green Building Program Ordinance (Ord. No. 179,890), which was adopted to reduce the use of natural resources, create healthier living environments, and minimize the negative impacts of development on local, regional and global ecosystems. Therefore, impacts would be less than significant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| b. | LESS THAN SIGNIFICANT IMPACT | <p>A significant impact would occur if the proposed project would violate any air quality standard or contribute substantially to an existing or projected air quality violation. Project construction and operation emissions are estimated using California Emissions Estimator Model (CalEEMod), a statewide land use emissions computer model designed to quantify potential criteria pollutant and greenhouse gas (GHG) emissions associated with both construction and operations from land use projects. According to the CalEEMod model results for similar types of projects, Overall Construction (Maximum Daily Emission) for the proposed project would not exceed the SCAQMD thresholds for the criteria pollutants Reactive Organic Compounds (ROG), Nitrogen Oxides (NOx), Carbon Monoxide (CO), Sulfur Dioxide (SO2), and Respirable Particulate Matter (PM10 and PM2.5). The project is estimated to generate less than the SCAQMD threshold of 75 pounds per day (lbs/day) for ROG, 100 lbs/day for NOx, 550 lbs/day for CO, 150 lbs per day for SO2, 150 lbs/day for PM10, and 55 lbs/day for PM2.5. Additionally, the project output is also below the significance thresholds for these criteria pollutants with regard to Overall Operational Emissions. The project is estimated to generate less than the SCAQMD threshold of 55 pounds per day (lbs/day) for ROG, 55 lbs/day for NOx, 550 lbs/day for CO, 150 lbs per day for SO2, 150 lbs/day for PM10, and 55 lbs/day for PM2.5. Motor vehicles that access the project site would be the predominant source of long-term project emissions. Additional emissions would be</p> |  |

| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|----|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|    |                              | generated by area sources, such as energy use and landscape maintenance activities. Therefore, the proposed project would result in a less-than-significant impact related to regional operational emissions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| c. | LESS THAN SIGNIFICANT IMPACT | The project is a residential project that does not include major sources of combustion or fugitive dust. As a result, its localized emissions of PM10 and PM2.5 would be minimal. Similarly, existing land uses in the area include commercial and residential land uses that do not produce substantial emissions of localized nonattainment pollutants. The site is located within 1,000 feet of a public facilities use (Hollywood Freeway). A Health Risk Assessment was prepared by Taha Environmental Planners that determined that with the required implementation of regulatory compliance measures (Clean Up Green Up), the project would not expose residents to substantial pollutant concentrations. A less-than significant project impact does not make a cumulatively considerable contribution to a cumulative impact. Long-term operation of the project would not result in a cumulatively considerable net increase of any non-attainment criteria pollutant. |  |
| d. | LESS THAN SIGNIFICANT IMPACT | A health risk assessment was prepared by TAHA and submitted on March 28, 2017. Due to proximity to SR 170, Proposed Project implementation would require installation of MERV 13 filters in accordance with City Ordinance Number 184,245 and Municipal Code Section 99.04.504.6. Results of the HRA demonstrate that the MERV 13 filters would effectively reduce ventilated particulate concentrations from freeway emissions to levels that would not result in exposures exceeding the SCAQMD threshold for TAC. Conforming to the requirements of Municipal Code Section 99.04.504.6 would adequately mitigate the exposure of future residents of the Proposed Project to less than significant levels and no further mitigation would be required. Future residents of the Proposed Project would not be exposed to substantial pollutant concentrations and air quality impacts resulting from SR 170 freeway traffic would be less than significant.                     |  |

| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |                              |                                                                                                                                                                                                                                                                                                                       |  |
|----|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| e. | LESS THAN SIGNIFICANT IMPACT | The proposed land use would not result in activities that create objectionable odors. In addition, the trash collection area for the residential units would be located within the proposed structure. Therefore, the proposed project would result in a less-than-significant impact related to objectionable odors. |  |
|----|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

#### IV. BIOLOGICAL RESOURCES

|    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|----|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | NO IMPACT | The proposed multi-family residential development is within a highly urbanized area that does not contain any biological resources or habitat area. The site is zoned [Q]C2-1VL and P-1VL and the General Plan Land Use Designation is Neighborhood Office Commercial. The site is presently vacant. No impact will result.                                                                                                                                                                                                                                                          |  |
| b. | NO IMPACT | The project site is fully developed and within a highly urbanized area, and does not contain any biological resources or habitat area. No impact will result.                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| c. | NO IMPACT | The project site is fully developed and within a highly urbanized area, and does not contain any biological resources or habitat area. No impact will result.                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| d. | NO IMPACT | A significant impact would occur if the project would interfere with, or remove access to, a migratory wildlife corridor or impede use of native wildlife nursery sites. Due to the urbanized nature of the subject property and surrounding area, the lack of a major water body, and the limited number of trees, the subject property does not support habitat for native resident or migratory species or contain native nurseries. Therefore, the project would not interfere with wildlife movement or impede the use of native wildlife nursery sites. No impact would occur. |  |
| e. | NO IMPACT | A significant impact would occur if the proposed project would be inconsistent with local regulations pertaining to biological resources. The proposed project would not conflict with any policies or ordinances protecting biological resources, such as the City of Los Angeles Protected Tree Ordinance (No. 177,404). The project site does not contain locally-protected biological resources, such as oak trees, Southern California black walnut, western sycamore, and California bay trees. The proposed project would be required to                                      |  |



| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|----|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|    |           | comply with the provisions of the Migratory Bird Treaty Act (MBTA) and the California Fish and Game Code (CFGF). Both the MBTA and CFGF protects migratory birds that may use trees on or adjacent to the project site for nesting, and may be disturbed during construction of the proposed project. Therefore, the proposed project would not conflict with any local policies or ordinances protecting biological resources, such as tree preservation policy or ordinance (e.g., oak trees or California walnut woodlands), and no impacts would occur. |  |
| f. | NO IMPACT | The project site and its vicinity are not part of any draft or adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional or state habitat conservation plan. Therefore, the proposed project would not conflict with the provisions of any adopted conservation plan, and no impacts would occur.                                                                                                                                                                                                           |  |

#### V. CULTURAL RESOURCES

|    |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |
|----|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| a. | LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED | <b>Assembly Bill 52 (AB 52) established a formal consultation process for California Native American Tribes to identify potential significant impacts to Tribal Cultural Resources, as defined in Public Resources Code §21074, as part of CEQA. As specified in AB 52, lead agencies must provide notice inviting consultation to California Native American tribes that are traditionally and culturally affiliated with the geographic area of a proposed project if the Tribe has submitted a request in writing to be notified of proposed projects. The Tribe must respond in writing within 30 days of the City's AB 52 notice. The Native American Heritage Commission (NAHC) provided a list of Native American groups and individuals who might have knowledge of the religious and/or cultural significance of resources that may be in and near the Project site. An informational letter was mailed to a total of 10 Tribes known to have resources in this area, on January 11, 2017 describing the Project and requesting any information regarding resources that may exist on or near the Project site. On January 20, 2017, a response was</b> | V-50 |
|----|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|

| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |                              |                                                                                                                                                                                                                                                                |  |
|----|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|    |                              | received from the Gabrieleno Band of Mission Indians-Kizh Nation, who requested for on-site monitor during any and all ground disturbances, including but not limited to pavement removal, pot-holing or auguring, boring, grading, excavation and trenching.  |  |
| b. | LESS THAN SIGNIFICANT IMPACT | The project is not located on a site with any known archeological resources; however, the applicant shall abide by current law if archaeological resources are discovered during grading or construction. Therefore, impacts will be less than significant.    |  |
| c. | LESS THAN SIGNIFICANT IMPACT | The project is not located on a site with any known paleontological resources; however, the applicant shall abide by current law if paleontological resources are discovered during grading or construction. Therefore, impacts will be less than significant. |  |
| d. | LESS THAN SIGNIFICANT IMPACT | No human remains are expected to be located on the project site; however, the applicant shall abide by current law if human remains are discovered during grading or construction. Therefore, impacts will be less than significant.                           |  |

#### VI. GEOLOGY AND SOILS

|    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|----|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | NO IMPACT | A significant impact would occur if the proposed project would cause personal injury or death or result in property damage as a result of a fault rupture occurring on the project site and if the project site is located within a State-designated Alquist-Priolo Zone or other designated fault zone. According to the California Department of Conservation Special Studies Zone Map, the project site is not located within an Alquist-Priolo Special Studies Zone or Fault Rupture Study Area. The proposed project would not expose people or structures to potential adverse effects resulting from the rupture of known earthquake faults. The Alquist-Priolo Earthquake Fault Zoning Act is intended to mitigate the hazard of surface fault rupture on structures for human occupancy. Therefore, no impacts would occur. |  |
|----|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

| Impact?                               |                              | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Mitigation Measures |
|---------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| b.                                    | NO IMPACT                    | The site is located in a seismically active area approximately 4.0 kilometers from the nearest fault (Hollywood Fault), but the project is not expected to cause or accelerate any geological hazards. The project is also subject to the seismic standards of the Department of Building and Safety's Uniform Building Code, thereby reducing possible seismic hazard impacts to a less than significant level.                                                                                                                                                               |                     |
| c.                                    | LESS THAN SIGNIFICANT IMPACT | The proposed residential project is within a liquefaction area, however, it shall comply with the Uniform Building Code Chapter 18, Division 1, Section 1804.5 that addresses liquefaction potential and soil strength loss. Impacts will be less than significant.                                                                                                                                                                                                                                                                                                            |                     |
| d.                                    | NO IMPACT                    | According to ZIMAS, the site is not located within an area of historically earthquake-induced landslides, and landslides on the site are not anticipated based on the area's flat terrain.                                                                                                                                                                                                                                                                                                                                                                                     |                     |
| e.                                    | LESS THAN SIGNIFICANT IMPACT | Construction of proposed project would result in ground surface disturbance during site clearance, excavation, and grading, which could create the potential for soil erosion to occur. Construction activities would be performed in accordance with the requirements of the Los Angeles Building Code and the Los Angeles Regional Water Quality Control Board (LARWQBC) through the City's Stormwater Management Division. Therefore, the proposed project would not result in substantial soil erosion or the loss of topsoil, and impacts would be less than significant. |                     |
| f.                                    | NO IMPACT                    | According to ZIMAS, the project site at 11509-11531 West Chandler Boulevard is not located within an unstable soil area, landslide, or liquefaction area, and is not expected to cause or accelerate any geological hazards. No impact will result.                                                                                                                                                                                                                                                                                                                            |                     |
| g.                                    | LESS THAN SIGNIFICANT IMPACT | The project site is not located in an area known to have expansive soils. Impacts will be less than significant.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |
| h.                                    | NO IMPACT                    | No septic tanks or alternative waste disposal systems are proposed. The project will be served by the City's sewer system. No impact will result.                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |
| <b>VII. GREEN HOUSE GAS EMISSIONS</b> |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |



| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|----|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | LESS THAN SIGNIFICANT IMPACT | Through required implementation of the LA Green Building Code, the proposed project would be consistent with local and statewide goals and policies aimed at reducing the generation of GHGs. Therefore, the proposed project's generation of GHG emissions would not make a cumulatively considerable contribution to emissions and impacts would be less than significant.                                                  |  |
| b. | LESS THAN SIGNIFICANT IMPACT | The project would provide infill residential development proximate to a major transportation corridor (Chandler Boulevard) and would not interfere with SCAG's ability to implement the regional strategies outlined in the 2012-2035 RTP/SCS. The proposed project, therefore, would be consistent with statewide, regional and local goals and policies aimed at reducing GHG emissions. Impacts are less than significant. |  |

#### VIII. HAZARDS AND HAZARDOUS MATERIALS

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
|----|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | LESS THAN SIGNIFICANT IMPACT | Construction activities have the potential to result in the release, emission, handling, and disposal of hazardous materials. The proposed project would provide for a infill 60-unit multi-family residential development. This type of use would be expected to use and store very small amounts of hazardous materials, (ie. cleaners, solvents, etc). Nevertheless, all hazardous materials within the project site would be acquired, handled, used, stored, transported, and disposed of in accordance with all applicable federal, State, and local requirements to reduce impacts to less than significant.                                                   |  |
| b. | LESS THAN SIGNIFICANT IMPACT | A significant impact would occur if the proposed project created a significant hazard to the public or environment due to a reasonably foreseeable release of hazardous materials. The removal of asbestos is regulated by SCAQMD Rule 1403; therefore, any asbestos found on-site would be required to be removed by a certified asbestos containment contractor in accordance with applicable regulations prior to demolition. Similarly, it is likely that lead-based paint is present in buildings constructed prior to 1979. Compliance with existing State laws regarding removal would be required. Therefore, project impacts would be less than significant. |  |

| Impact?                      | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Mitigation Measures |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| LESS THAN SIGNIFICANT IMPACT | A project-related significant adverse effect may occur if the project is located within 0.25-mile (1,325 feet) of an existing or proposed school site, and is projected to release toxic emissions, which would pose a health hazard beyond regulatory thresholds. The nearest school is: North Hollywood High School. However, the Project will have a less than significant impact during construction (with regulatory compliance measures for asbestos, lead-based paint, PCBs) and will not emit any hazardous substances during operation. The school would still be generally shielded from the Project Site by the distance and intervening residential buildings and the Hollywood Freeway between the school and the Site. Therefore, impacts of hazardous materials within one-quarter mile of a school will be less than significant. |                     |
| NO IMPACT                    | A significant impact would occur if the project site is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and would create a significant hazard to the public or the environment. The California Department of Toxic Substances Control (DTSC) maintains a database (EnviroStor) that provides access to detailed information on hazardous waste permitted sites and corrective action facilities, as well as existing site cleanup information. EnviroStor also provides information on investigation, cleanup, permitting, and/or corrective actions that are planned, being conducted, or have been completed under DTSC's oversight. A review of EnviroStor did not identify any records of hazardous waste facilities on the project site. Therefore, no impact would occur.              |                     |
| NO IMPACT                    | The project site is not located within an airport land use plan, nor is it within two miles of a public or public use airport. Therefore, no impact will result.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |
| NO IMPACT                    | The project site is not located within an airport land use plan, nor is it within two miles of a private air strip. Therefore, no impact will result.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |
| NO IMPACT                    | The proposed project would not require the closure of any public or private streets and would not impede emergency vehicle access to the project site or surrounding area. Additionally, emergency access to and from the project site would be                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |

| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |           |                                                                                                                                                                                                                                                                                 |  |
|----|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|    |           | provided in accordance with requirements of the Los Angeles Fire Department (LAFD). Therefore, the proposed project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan, and no impact would occur. |  |
| h. | NO IMPACT | The proposed project is not located within a Very High Fire Hazard Severity Zone, and is in a developed urbanized area that is not subject to wildland fires. No Impact will result.                                                                                            |  |

#### IX. HYDROLOGY AND WATER QUALITY

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|----|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | LESS THAN SIGNIFICANT IMPACT | <p>The proposed project is a for a multi-family residential development with 60 units. As is typical of most non-industrial urban development, stormwater runoff from the proposed project has the potential to introduce small amounts of pollutants into the stormwater system. Pollutants would be associated with runoff from landscaped areas (pesticides and fertilizers) and paved surfaces (ordinary household cleaners). Thus, the proposed project would be required to comply with the National Pollutant Discharge Elimination System (NPDES) standards and the City's Stormwater and Urban Runoff Pollution Control regulations (Ordinance No. 172,176 and No. 173,494) to ensure pollutant loads from the project site are minimized for downstream receiving waters. The Stormwater and Urban Runoff Pollution Control Ordinances contain requirements for construction activities and operation of development and redevelopment projects to integrate low impact development practices and standards for stormwater pollution mitigation, and maximize open, green and pervious space on all developments and redevelopments consistent with the City's landscape ordinance and other related requirements in the City's Development Best Management Practices (BMPs) Handbook. Conformance would be ensured during the City's building plan review and approval process. Therefore, the proposed project would result in less-than-significant impacts and would not violate water quality standards, waste discharge requirements, or stormwater NPDES permits or otherwise substantially degrade water quality.</p> |  |
|----|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|



| Impact?                      | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Mitigation Measures |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| NO IMPACT                    | The proposed project would not require the use of groundwater at the project site. Potable water would be supplied by the Los Angeles Department of Water and Power (LADWP). Therefore, the project would not require direct additions or withdrawals of groundwater. Excavation to accommodate subterranean levels is not proposed at a depth that would result in the interception of existing aquifers or penetration of the existing water table. Therefore, project development would not impact groundwater supplies or groundwater recharge, and no impact would occur.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |
| LESS THAN SIGNIFICANT IMPACT | Based upon the criteria established in the L.A. CEQA Thresholds Guide, a project would normally have a significant impact on surface water hydrology if it would result in a permanent, adverse change to the movement of surface water sufficient to produce a substantial change in the current or direction of water flow. The Project Site is located in a highly urbanized area of Los Angeles, and no streams or river courses are located on the Project Site. The Proposed Project is an infill development project on a site that is currently fully developed and is largely impervious. Implementation of the Proposed Project would not increase site runoff or result in any changes in the local drainage patterns, since implementation of the LID Plan would reduce the amount of surface water runoff after storm events. The Proposed Project would be required to implement stormwater BMPs to retain or treat the runoff from a storm event producing ¾ inch of rainfall in a 24-hour period. Therefore, impacts to surface water hydrology or substantial erosion or siltation on- or off-site would be less than significant. |                     |
| LESS THAN SIGNIFICANT IMPACT | No streams or rivers are contained on-site and as such the development will not alter the existing drainage patterns. Further, the project will comply with L.A.M.C. Section 64.70 to ensure that surface runoff will not result in flooding.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |
| LESS THAN SIGNIFICANT IMPACT | Site-generated surface water runoff would continue to flow to the City's storm drain system. Impermeable surfaces resulting from the development of the project would not significantly change the volume of stormwater runoff. Accordingly, since the volume of runoff from the site would                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |

| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|----|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|    |           | not measurably increase over existing conditions, water runoff after development would not exceed the capacity of existing or planned drainage systems. Any project that creates, adds, or replaces 500 square feet of impervious surface must comply with the Low impact Development (LID) Ordinance or alternatively, the City's Standard Urban Stormwater Mitigation Plan (SUSMP), as an LAMC requirement to address water runoff and storm water pollution. Therefore, the proposed project would result in less-than-significant impacts related to existing storm drain capacities or water quality. |  |
| f. | NO IMPACT | The proposed project does not include potential sources of contaminants, which could potentially degrade water quality and would comply with all federal, state and local regulations governing stormwater discharge. Therefore, no impact would occur.                                                                                                                                                                                                                                                                                                                                                    |  |
| g. | NO IMPACT | The proposed project is not located within a 100-year flood hazard area. Therefore no impact will result.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| h. | NO IMPACT | The proposed project is not located within a 100-year flood hazard area. Therefore no impact will result.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| i. | NO IMPACT | The project site is not located within a potential dam inundation zone. No impact will result.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| j. | NO IMPACT | A significant impact would occur if the proposed project would be located within an area susceptible to inundation by seiche, tsunami, or mudflow. The project site and the surrounding areas are not located near a water body to be inundated by seiche and is not located within a tsunami inundated zone. Therefore, the project would have no impact related to inundation by seiche, tsunami, or mudflow.                                                                                                                                                                                            |  |

#### **X. LAND USE AND PLANNING**

|    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|----|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | NO IMPACT | A significant impact may occur if a project were sufficiently large enough or otherwise configured in such a way as to create a physical barrier within an established community. A typical example would be a project that involved a continuous right-of-way such as a roadway, which would divide a community and impede access between parts of the community. The Project Site is comprised of a portion of one City block surrounded by existing boundaries (roads and alley). |  |
|----|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |
|----|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|    |                                                    | The Project is not of a scale or nature that could physically divide an established community. The Project is not affecting any right-of-ways. The Project would be built on an existing urban infill site currently improved with structures. As such, no impact related to physical division of an established community will occur.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |
| b. | LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED | <b>The proposed project involves the development of a new 60-unit apartment building. The use is required to apply for a Site Plan Review because it is proposing more than 50 residential units. The applicant has additionally requested Zone Change from [Q]C2-1VL and P-1VL to (T)(Q)RAS4-1VL. In the event the necessary findings to support the project are not made, the project would be denied and its proposed location and size would be in conflict with the City's Municipal Code. In the event the requested entitlements are approved by the Department of City Planning, the proposed building will not be in conflict. The project does, however, have the potential to conflict with the Air Quality Element by exposing project occupants to pollutants due to existing ambient air pollution in the vicinity; however, Mitigation Measures have been included to reduce the impact to a less than significant level.</b> | X-60 |
| c. | NO IMPACT                                          | A significant impact would occur if the proposed project were located within an area governed by a habitat conservation plan or natural community conservation plan. The project site is not subject to any habitat conservation plan or natural community conservation plan. Therefore, no impact would occur.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |

#### XI. MINERAL RESOURCES

|    |           |                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|----|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | NO IMPACT | MRZ-2 sites are identified in two community plan elements of the city's general plan, the Sun Valley and the Sunland-Tujunga-Lake View Terrace-Shadow Hills-East La Tuna Canyon community plans. Neither the project site nor the surrounding area is identified as an area containing mineral deposits of regional or statewide significance. Therefore, no impact to known mineral deposits would occur. |  |
|----|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|



| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |           |                                                                                                                                                                                                                                                                                                                                                                                       |  |
|----|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| b. | NO IMPACT | The project site is not delineated as a locally important mineral resource recovery site on any City plans. Furthermore, the project site is surrounded by dense urban uses and residential uses. Thus, the Project Site would not be an adequate candidate for mineral extraction. Therefore, no impacts to loss of availability of a locally important mineral resource will occur. |  |
|----|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

## XII. NOISE

|    |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |
|----|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| a. | LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED | The City of Los Angeles has established policies and regulations concerning the generation and control of noise that could adversely affect its citizens and noise-sensitive land uses. Construction activity would result in temporary increases in ambient noise levels in the project area on an intermittent basis. Noise levels would fluctuate depending on the construction phase, equipment type and duration of use, distance between the noise source and receptor, and presence or absence of noise attenuation barriers. During construction of the proposed project, the applicant will be required to comply with the City's Noise Ordinance No. 161,574, which prohibits the emission or creation of noise beyond certain levels at adjacent uses unless technically infeasible, and will also be required to comply with construction noise mitigation measures including limiting construction activities to specific times and days (i.e., 7:00 AM to 6:00 PM Monday through Friday, and 8:00 AM to 6:00 PM on Saturday, with no work on Sunday) and implementing specific construction equipment operations requirements, which will reduce impacts to a less than significant level. Therefore, with required mitigation measures, impacts would be less than significant. | XII-20 |
| b. | LESS THAN SIGNIFICANT IMPACT                       | The City of Los Angeles does not address vibration in the LAMC or in the Noise Element of the General Plan. According to the Federal Transit Administration (FTA), ground vibrations from construction activities very rarely reach the level capable of damaging structures. The construction activities that typically generate the most severe vibrations are                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |

| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|----|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|    |                              | blasting and impact pile driving. These types of activities are not proposed by the project. The FTA has published standard vibration velocities for various construction equipment operations. The estimated vibration velocity levels from construction equipment would be well below the significance thresholds. Therefore, project impacts would be less than significant.                                                                                                                                                                                                                                                  |  |
| c. | LESS THAN SIGNIFICANT IMPACT | A significant impact would occur if the project caused a substantial permanent increase in noise levels above existing ambient levels. New stationary sources of noise, such as rooftop mechanical HVAC equipment, would be installed on the proposed development. The design of the equipment will be required to comply with LAMC Section 112.02, which prohibits noise from air conditioning, refrigeration, heating, pumping, and filtering equipment from exceeding the ambient noise level on the premises of any other occupied properties by more than 5 dBA. Therefore, project impacts would be less than significant. |  |
| d. | LESS THAN SIGNIFICANT IMPACT | During the construction phase, the project may create a substantial temporary or periodic increase in ambient noise levels in the project vicinity. Noise from recurrent activities (e.g., conversation, amplified music) or non-recurrent activities (e.g., parties) would elevate ambient noise levels to differing degrees. The City's noise ordinance would also provide a means to address nuisances related to restaurant or retail noise. The proposed Mitigation Measures will reduce the impacts to a less than significant level.                                                                                      |  |
| e. | NO IMPACT                    | The project is not located within two miles of a public airport or public use airport. No impact will result.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| f. | NO IMPACT                    | The project is not located within two miles of a private airstrip. No impact will result.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |

### XIII. POPULATION AND HOUSING

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|----|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | LESS THAN SIGNIFICANT IMPACT | A potentially significant impact would occur if the proposed project would induce substantial population growth that would not have otherwise occurred as rapidly or in as great a magnitude. The proposed project would result in the development of 60 residential units, which would not be considered a substantial increase in population. The project will accommodate residential population |  |
|----|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|----|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|    |                              | growth in keeping with the North Hollywood-Valley Village Community Plan land use and density designations, and would not substantially induce population growth in the project area, either directly or indirectly. The physical secondary or indirect impacts of population growth such as increased traffic or noise have been adequately mitigated in other portions of this document. Therefore, the impact would be less than significant. |  |
| b. | LESS THAN SIGNIFICANT IMPACT | A significant impact may occur if a project would result in the displacement of existing housing units, necessitating the construction of replacement housing elsewhere. The Project Site is currently vacant. The Project does not represent a displacement of substantial numbers of existing housing and will result in a net gain of 68 dwelling units. Therefore, impacts will be less than significant.                                    |  |
| c. | LESS THAN SIGNIFICANT IMPACT | A significant impact may occur if a project would result in the displacement of existing housing units, necessitating the construction of replacement housing elsewhere. The project site does not contain any housing. The Project does not represent a displacement of substantial numbers of existing housing. Therefore, no impact will occur.                                                                                               |  |

#### XIV. PUBLIC SERVICES

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|----|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | LESS THAN SIGNIFICANT IMPACT | The proposed restaurant is served by Fire Station No. 60. The project will comply with all applicable City fire safety regulations, reducing potential impacts to a less than significant level.                                                                                                                                                                                                                                   |  |
| b. | LESS THAN SIGNIFICANT IMPACT | The Project Site is served by the City of Los Angeles Police Department's (LAPD) Valley Bureau, which oversees LAPD operations in North Hollywood. The North Hollywood Police Station, located at 11640 Burbank Boulevard, is approximately 0.4 miles driving distance from the Project Site.                                                                                                                                      |  |
| c. | LESS THAN SIGNIFICANT IMPACT | A significant impact would occur if the proposed project would include substantial employment or population growth, which could generate a demand for school facilities that would exceed the capacity of the school district. The proposed project would result in a net increase of 60 units, which could increase enrollment at schools that service the area. However, development of the proposed project would be subject to |  |



| Impact?                         | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Mitigation Measures |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|                                 | California Government Code Section 65995, which would allow LAUSD to collect impact fees from developers of new residential units. Conformance to California Government Code Section 65995 is deemed to provide full and complete mitigation of impacts to school facilities. Therefore, the proposed project would result in a less-than-significant impact to public schools.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |
| d. LESS THAN SIGNIFICANT IMPACT | A significant impact would occur if the proposed project would exceed the capacity or capability of the local park system to serve the proposed project. The City of Los Angeles Department of Recreation and Parks (RAP) is responsible for the provision, maintenance, and operation of public recreational and park facilities and services in the City. The proposed project would result in a increase of 60 units, which could result in increased demand for parks and recreation facilities. The proposed project would include rooftop open space, recreation room, and private balcony space. These project features would reduce the demand for park space created by the proposed project to less than significant levels. Nevertheless, payment of required impact fees by the proposed residential development per LAMC Section 17.12 would further offset some of the increased demand by helping fund new facilities, as well as the expansion of existing facilities. Therefore, the project would not create capacity or service level problems, or result in substantial physical impacts associated with the provision or new or altered parks facilities, and project impacts would be less than significant. |                     |
| e. LESS THAN SIGNIFICANT IMPACT | A significant impact would occur if the proposed project would result in substantial employment or population growth that could generate a demand for other public facilities, including libraries, which exceed the capacity available to serve the project site, necessitating new or physically altered public facilities, the construction of which would cause significant environmental impacts. The proposed project would not result in an increase of residential units. However, with the addition of 60 households on the project site, an increase for library services and resources of the Los                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |

| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  | Angeles Public Library System could result. While the increase in population as a result of the proposed project may create a demand for library services, the proposed project would not create substantial capacity or service level problems that would require the provision of new or physically altered library facilities in order to maintain an acceptable level of service for libraries. Therefore, the proposed project would result in a less-than-significant impact on library services. |  |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

#### XV. RECREATION

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
|----|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | LESS THAN SIGNIFICANT IMPACT | The provision of private recreation space and the payment of required impact fees by the proposed development per LAMC Section 17.12 would further offset some of the increased demand for recreational facilities by helping fund new facilities, as well as the expansion of existing facilities. Therefore, the project would not create capacity or service level problems, or result in substantial physical impacts associated with the provision or new or altered parks facilities, and project impacts would be less than significant. |  |
| b. | LESS THAN SIGNIFICANT IMPACT | Although the proposed project would place some additional demands on park facilities, the increase in demand would be met through a combination of on-site amenities and existing parks in the project area. The project's increased demands upon recreational facilities would not in and of itself result in the construction of a new park, which might have an adverse physical effect on the environment. Therefore, project impacts would be less than significant.                                                                       |  |

#### XVI. TRANSPORTATION/TRAFFIC

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|----|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | LESS THAN SIGNIFICANT IMPACT | According to the DOT Case No. SFV-2016-104809 dated November 22, 2016, the proposed apartment building will not conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for the performance of the circulation system. The project will result in an increase of 26 trips during the a.m. peak and 31 trips during the p.m. peak. The analysis traffic study concluded that none of the study intersections would be significantly impacted by project related traffic. Impacts will be less than significant. |  |
|----|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

| Impact? | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Mitigation Measures |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| b.      | <p><b>LESS THAN SIGNIFICANT IMPACT</b></p> <p>According to the DOT Case No. SFV-2016-104809 dated November 22, 2016, the proposed apartment will not conflict with an applicable congestion management program. The KOA Corporation analysis traffic study included a freeway impact analysis that was prepared in accordance with the State-mandated Congestion Management Program administered by Metro. According to the analysis, the project would not result in significant traffic impacts on any of the evaluated freeway mainline segments, arterial monitoring stations or to any of the regional transit services in the area surrounding the project. Impacts will be less than significant.</p>                                                                             |                     |
| c.      | <p><b>NO IMPACT</b></p> <p>The proposed apartment is located approximately 4 miles from Burbank Airport. The project is proposed to a height of 45 feet and will not in any way affect air traffic patterns in the area. No impact will occur.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |
| d.      | <p><b>LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED</b></p> <p>A significant impact would occur if the proposed project would substantially increase an existing hazardous design feature or introduced incompatible uses to the existing traffic pattern. The proposed project will include an expanded area of vehicular access from the alley, which, if not properly designed and constructed, could potentially conflict with pedestrian circulation in the project area. Furthermore, the project may have potentially significant impacts on pedestrians on the street during construction phases. With implementation of the referenced mitigation measure, the potential impacts related to hazards due to a design feature would be reduced to less-than-significant.</p> | XVI-80              |
| e.      | <p><b>LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED</b></p> <p>A significant impact would occur if the proposed project would result in inadequate emergency access and safety. The corner site may have impacts on emergency access and safety, including proper location of driveways, signage, and entrances. The referenced mitigation measures shall apply to reduce impacts to a less than significant level.</p>                                                                                                                                                                                                                                                                                                                                                             | XVI-50              |



| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|----|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| f. | NO IMPACT | A significant impact may occur if the proposed project would conflict with adopted policies or involve modification of existing alternative transportation facilities located on or offsite. The proposed project would not require the disruption of public transportation services or the alteration of public transportation routes. Furthermore, the proposed project would not interfere with any Class I or Class II bikeway systems. Since the proposed project would not modify or conflict with any alternative transportation policies, plans or programs, it would have no impact on such programs. |  |
|----|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

#### **XVII. TRIBAL CULTURAL RESOURCES**

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|----|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | LESS THAN SIGNIFICANT IMPACT | Assembly Bill 52 (AB 52) established a formal consultation process for California Native American Tribes to identify potential significant impacts to Tribal Cultural Resources, as defined in Public Resources Code §21074, as part of CEQA. As specified in AB 52, lead agencies must provide notice inviting consultation to California Native American tribes that are traditionally and culturally affiliated with the geographic area of a proposed project if the Tribe has submitted a request in writing to be notified of proposed projects. The Tribe must respond in writing within 30 days of the City's AB 52 notice. The Native American Heritage Commission (NAHC) provided a list of Native American groups and individuals who might have knowledge of the religious and/or cultural significance of resources that may be in and near the Project site. An informational letter was mailed to a total of 11 Tribes known to have resources in this area, on January 11, 2017 describing the Project and requesting any information regarding resources that may exist on or near the Project site. On February 22, 2017, a response was received from the Gabrieleno Band of Mission Indians-Kizh Nation, who requested for on-site monitor during any and all ground disturbances, including but not limited to pavement removal, pot-holing or auguring, boring, grading, excavation and trenching. Mitigation Measure V-50 under Cultural Resources shall apply to reduce impacts to a less than significant level. |  |
|----|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

| Impact? | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Mitigation Measures |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| b.      | <p><b>LESS THAN SIGNIFICANT IMPACT</b></p> <p>Assembly Bill 52 (AB 52) established a formal consultation process for California Native American Tribes to identify potential significant impacts to Tribal Cultural Resources, as defined in Public Resources Code §21074, as part of CEQA. As specified in AB 52, lead agencies must provide notice inviting consultation to California Native American tribes that are traditionally and culturally affiliated with the geographic area of a proposed project if the Tribe has submitted a request in writing to be notified of proposed projects. The Tribe must respond in writing within 30 days of the City's AB 52 notice. The Native American Heritage Commission (NAHC) provided a list of Native American groups and individuals who might have knowledge of the religious and/or cultural significance of resources that may be in and near the Project site. An informational letter was mailed to a total of 11 Tribes known to have resources in this area, on February 8, 2017 describing the Project and requesting any information regarding resources that may exist on or near the Project site. On February 22, 2017, a response was received from the Gabrieleno Band of Mission Indians-Kizh Nation, who requested for on-site monitor during any and all ground disturbances, including but not limited to pavement removal, pot-holing or auguring, boring, grading, excavation and trenching. Mitigation Measure V-50 under Cultural Resources shall apply to reduce impacts to a less than significant level.</p> |                     |

#### **XVIII. UTILITIES AND SERVICE SYSTEMS**

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | <p><b>LESS THAN SIGNIFICANT IMPACT</b></p> <p>A significant impact would occur if the proposed project would exceed wastewater treatment requirements of the Los Angeles Regional Water Quality Control Board (LARWQCB). It is important to consider the existing and anticipated wastewater generation of the project (i.e., a net increase of 58 units) in relation to current average daily flows experienced at Hyperion Treatment Plant (HTP), as well as in proportion to remaining capacity of the system. The HTP experiences an average daily flow of 362 million gallons per day (mgd), below a capacity of 450 mgd. As a proportion of total average daily flow experienced by the HTP, the wastewater generation of the proposed</p> |  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|----|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|    |                              | <p>project would account for a small percentage of average daily wastewater flow. This increase in wastewater flow would not jeopardize the HTP to operate within its established wastewater treatment requirements. Furthermore, all wastewater from the project would be treated according to requirements of the NPDES permit authorized by the LARWQCB. Therefore, the proposed project would result in a less-than-significant impact related to wastewater treatment requirements.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| b. | LESS THAN SIGNIFICANT IMPACT | <p>A significant impact would occur if the proposed project would increase water consumption or wastewater generation to such a degree that the capacity of facilities currently serving the project site would be exceeded. The Los Angeles Department of Water and Power (LADWP) conducts water planning based on forecast population growth. Accordingly, the increase in residential population resulting from the proposed project would not be considered substantial in consideration of anticipated growth. The net increase of 58 residential units resulting from implementation of the proposed project would be consistent with Citywide growth, and, therefore, the project demand for water is not anticipated to require new water supply entitlements and/or require the expansion of existing or construction of new water treatment facilities beyond those already considered in the LADWP 2010 Urban Water Management Plan. Thus, it is anticipated that the proposed project would not create any water system capacity issues, and there would be sufficient reliable water supplies available to meet project demands. Prior to any construction activities, the project applicant would be required to coordinate with the City of Los Angeles Bureau of Sanitation (BOS) to determine the exact wastewater conveyance requirements of the proposed project, and any upgrades to the wastewater lines in the vicinity of the project site that are needed to adequately serve the proposed project would be undertaken as part of the project. Therefore, the proposed project would have a less-than-significant impact related to water or wastewater infrastructure.</p> |  |



| Impact?                      | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Mitigation Measures |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| LESS THAN SIGNIFICANT IMPACT | The project shall comply with Ordinance No. 170,978 (Water Management Ordinance), which imposes numerous water conservation measures in landscape, installation, and maintenance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |
| LESS THAN SIGNIFICANT IMPACT | A significant impact may occur if a project were to increase water consumption to such a degree that new water sources would need to be identified, or that existing resources would be consumed at a pace greater than planned for by purveyors, distributors, and service providers. The City's water supply comes from local groundwater sources, the Los Angeles-Owens River Aqueduct, State Water Project, and from the Metropolitan Water District of Southern California, which is obtained from the Colorado River Aqueduct. These sources, along with recycled water, are expected to supply the City's water needs in the years to come. The Project shall comply with the City of Los Angeles Low Impact Development Ordinance (City Ordinance No. 181,899) and to implement Best Management Practices that have stormwater recharge or reuse benefits for the Project. Impacts will be less than significant. |                     |
| LESS THAN SIGNIFICANT IMPACT | A significant impact may occur if a project would increase wastewater generation to such a degree that the capacity of facilities currently serving the Project Site would be exceeded. The Project's wastewater would be sufficiently accommodated as part of the remaining 88 mgd or 80 percent of treatment capacity currently available at the Hyperion Water Treatment Plant (HTP). Also, the HTP has sufficient capacity for the Project's flow. Therefore, impacts to wastewater treatment would be less than significant.                                                                                                                                                                                                                                                                                                                                                                                         |                     |
| LESS THAN SIGNIFICANT IMPACT | During the demolition, construction, and operational phases, the project has the potential to have an impact on landfills. However, the project will be required to comply with current regulations required by the Department of Building and Safety (LAMC Section 99.04.408.1) and the Bureau of Sanitation (LAMC Section 66.32) which requires the recycling and proper disposal of solid waste. Impacts will be less than significant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |

| Impact? | Explanation | Mitigation Measures |
|---------|-------------|---------------------|
|---------|-------------|---------------------|

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|----|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| g. | LESS THAN SIGNIFICANT IMPACT | The project will be required to comply with current regulations required by the Department of Building and Safety (LAMC Section 99.04.408.1) and the Bureau of Sanitation (LAMC Section 66.32) which requires the recycling and proper disposal of solid waste and will ensure that the project complies with federal, state, and local regulations as it relates to solid waste. Impacts will be less than significant. |  |
|----|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

#### **XIX. MANDATORY FINDINGS OF SIGNIFICANCE**

|    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|----|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| a. | LESS THAN SIGNIFICANT IMPACT | The proposed project does not have the potential to significantly degrade the quality of the environment, substantially reduce the habitat of fish or wildlife species, or threaten to eliminate a plant animal community. The project is located in a developed, urbanized area and will not disrupt or hinder any known habitats. Impacts will be less than significant.                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| b. | LESS THAN SIGNIFICANT IMPACT | A significant impact may occur if the proposed project, in conjunction with the related projects, would result in impacts that are less than significant when viewed separately but significant when viewed together. Although projects may be constructed in the project vicinity, the cumulative impacts to which the proposed project would contribute would be less than significant. In addition, all potential impacts of the proposed project would be reduced to less than significant levels with implementation of the mitigation measure provided in the previous sections. None of these potential impacts are considered cumulatively considerable, and implementation of the mitigation measures identified will ensure that no cumulative impacts will occur as a result of the proposed project. |  |
| c. | LESS THAN SIGNIFICANT IMPACT | A significant impact may occur if the proposed project has the potential to result in significant impacts, as discussed in the preceding sections. All potential impacts of the proposed project have been identified, and mitigation measures have been prescribed, where applicable, to reduce all potential impacts to less-than-significant levels. Upon implementation of the mitigation measure identified, the proposed project would not have the potential to result in substantial adverse impacts on human beings either directly or indirectly                                                                                                                                                                                                                                                       |  |



**CITY OF LOS ANGELES**  
INTER-DEPARTMENTAL CORRESPONDENCE

11525 Chandler Blvd  
DOT Case No. SFV-2016-104809

Date: November 22, 2016

To: Kevin Jones, Senior City Planner  
Department of City Planning



From: Sergio D. Valdez, Transportation Engineer  
Department of Transportation

Subject: **DOT TRAFFIC EVALUATION OF ASSESSMENT FOR THE PROPOSED LA CHANDLER ART CENTER FOR THE PROPOSED 60 UNIT LIVE/WORK PROJECT LOCATED AT 11525 CHANDLER BOULEVARD**

The Department of Transportation (DOT) has completed the review of the technical traffic evaluation submitted by KOA Corporation, Planning & engineering, dated September, 2016. This technical analysis for the proposed 60 units live/work project, demonstrates that this proposed project will not significantly impact the traffic in the surrounding area. The project will generate an additional 26 net new trips in the a.m. peak hour & 31 net new trips in the p.m. peak hour. The applicant should contact B.O.E. for widening and dedication requirements.

**ACCESS AND CIRCULATION**

This determination does not include approval of the project's driveways, internal circulation, or parking scheme. However, the following general comments do apply:

- For all two-way driveways, a width of W=30', exclusive of side slope shall be provided.
- For all one-way driveways, a width of W=16', exclusive of side slope shall be provided.
- To minimize the conflict between vehicles using adjoining driveways a minimum of 50-foot full-height curb shall be provided between driveways.
- A minimum required reservoir space between the new property line and the first parking stall or gate shall be provided for all driveways.
- Parking stall shall be designed so that a vehicle is not required to back up into or out of any public street, sidewalk or alley.
- Final DOT approval shall be obtained prior to issuance of any building permits. This should be accomplished by submitting detailed site and driveway plans, with a minimum scale of 1"=40', to DOT's Valley Development Review Section at 6262 Van Nuys Boulevard, Suite 320, Van Nuys, CA 91401.

If you have any further questions, you may contact Durre Shamsi of my staff at (818) 374-4699.







## Memorandum

TO: Menashe Kozar  
Summer Land Partners Group, Inc.  
5900 Sepulveda Boulevard, Suite 580  
Sherman Oaks, CA 91411

FROM: Anders Sutherland, Environmental Scientist  
Terry A. Hayes Associates Inc.  
3535 Hayden Avenue, Suite 350  
Culver City, CA 90232

DATE: March 28, 2017

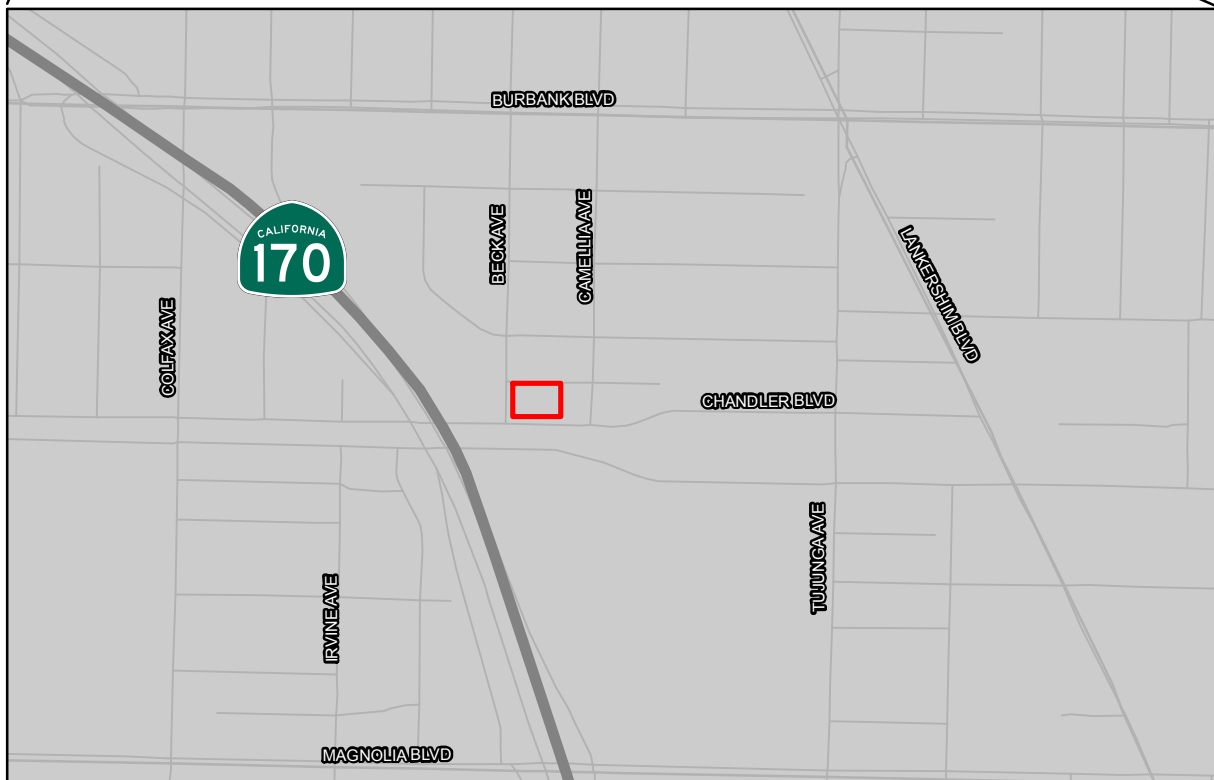
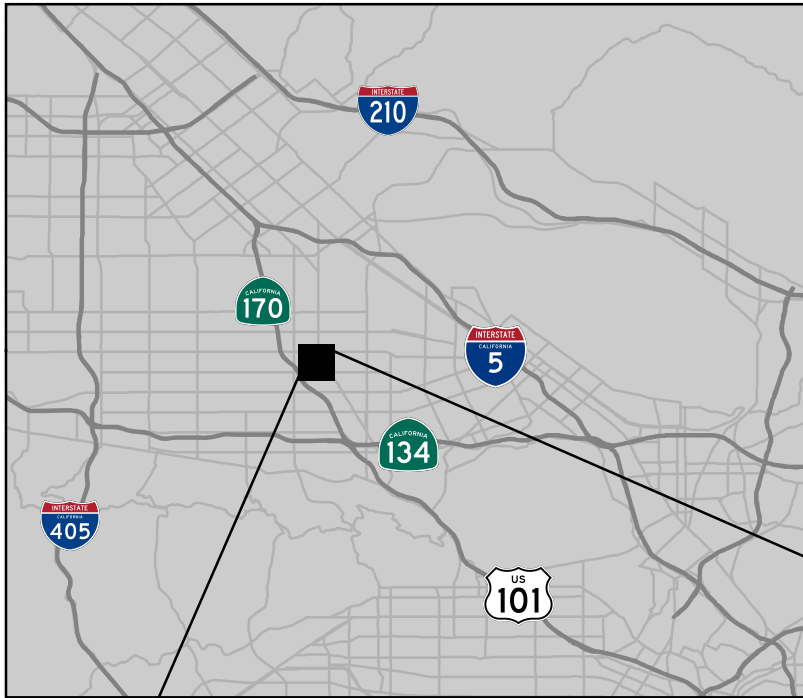
RE: **11525 Chandler Boulevard Health Risk Assessment (HRA)**

Terry A. Hayes Associates Inc. (TAHA) prepared this technical memorandum for Summer Land Partners Group, Inc. to assess potential environmental exposures of future residents of the proposed 11525 Chandler Boulevard Project (Proposed Project). Summer Land Partners Group, Inc. is proposing to build a 60-unit multi-family residential development. The Proposed Project located in the North Hollywood community of the City of Los Angeles, and proposed residents would potentially be exposed to air pollution generated by the nearby State Route 170 (SR 170).

The Proposed Project would be built on a site approximately 0.6 acres in size, with the western property boundary being situated approximately 315 feet from the SR 170 right-of-way. **Figure 1** displays the regional location of the Proposed Project, and **Figure 2** depicts the Proposed Project site plan overlying the existing proximal landscape. This technical memorandum describes the HRA methodology that was used to quantify potential carcinogenic risks and non-carcinogenic hazards to future residents of the Proposed Project resulting from exposure to mobile source emissions on SR 170. All input data, calculation worksheets, and air dispersion modeling files can be found in the Appendix at the end of this technical memorandum.

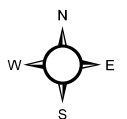


Terry A. Hayes Associates Inc.  
3535 Hayden Avenue, Suite 350  
Culver City, California 90232  
310.839.4200 fax 310.839.4201



**LEGEND:**

— Project Site



SOURCE:TAHA, 2017.





## Source Characterization

This HRA analyzed mobile source air toxics (MSAT) emissions generated by vehicular travel on SR 170 within one-quarter ( $\frac{1}{4}$ ) mile of the Proposed Project site. No substantial stationary sources of toxic air contaminant (TAC) emissions were identified within a  $\frac{1}{4}$ -mile radius of the project site. **Figure 3** depicts the extent of the SR 170 segment located within  $\frac{1}{4}$ -mile of the property boundary that was incorporated into the analysis, as well as the boundary of the Proposed Project site. In the Proposed Project area, the SR 170 consists of four general purpose lanes and one high occupancy vehicle lane in each direction. The HRA also included multiple on- and off-ramps located within  $\frac{1}{4}$ -mile of the Proposed Project site. The HRA utilized annual average daily traffic (AADT) data provided by the California Department of Transportation (Caltrans) and emission rates obtained from the Caltrans-EMFAC (CT-EMFAC) mobile source emissions inventory model to characterize existing levels of TACs in ambient air at the Proposed Project site to which future residents of the Proposed Project would be exposed.

Caltrans publishes traffic counts data for State highways on its Traffic Census Program webpage. The database contains traffic volumes, truck traffic, ramp volumes, and peak hour volumes. The most recent traffic volume dataset available is for 2015, and AADT from this year was utilized to quantify mobile source emissions from the SR 170 segment within  $\frac{1}{4}$ -mile of the Proposed Project.<sup>1</sup> Traffic volumes were available for the SR 170 segment between Magnolia Boulevard to the south and Burbank Boulevard to the north. **Table 1** presents the traffic volumes that were used as input data for the mobile source emissions analysis and HRA. Traffic volumes were also obtained for the SR 170 northbound on-ramp from Magnolia Boulevard and the SR 170 northbound off-ramp for Burbank Boulevard.

**TABLE 1: SUMMARY OF CALTRANS TRAFFIC CENSUS DATA**

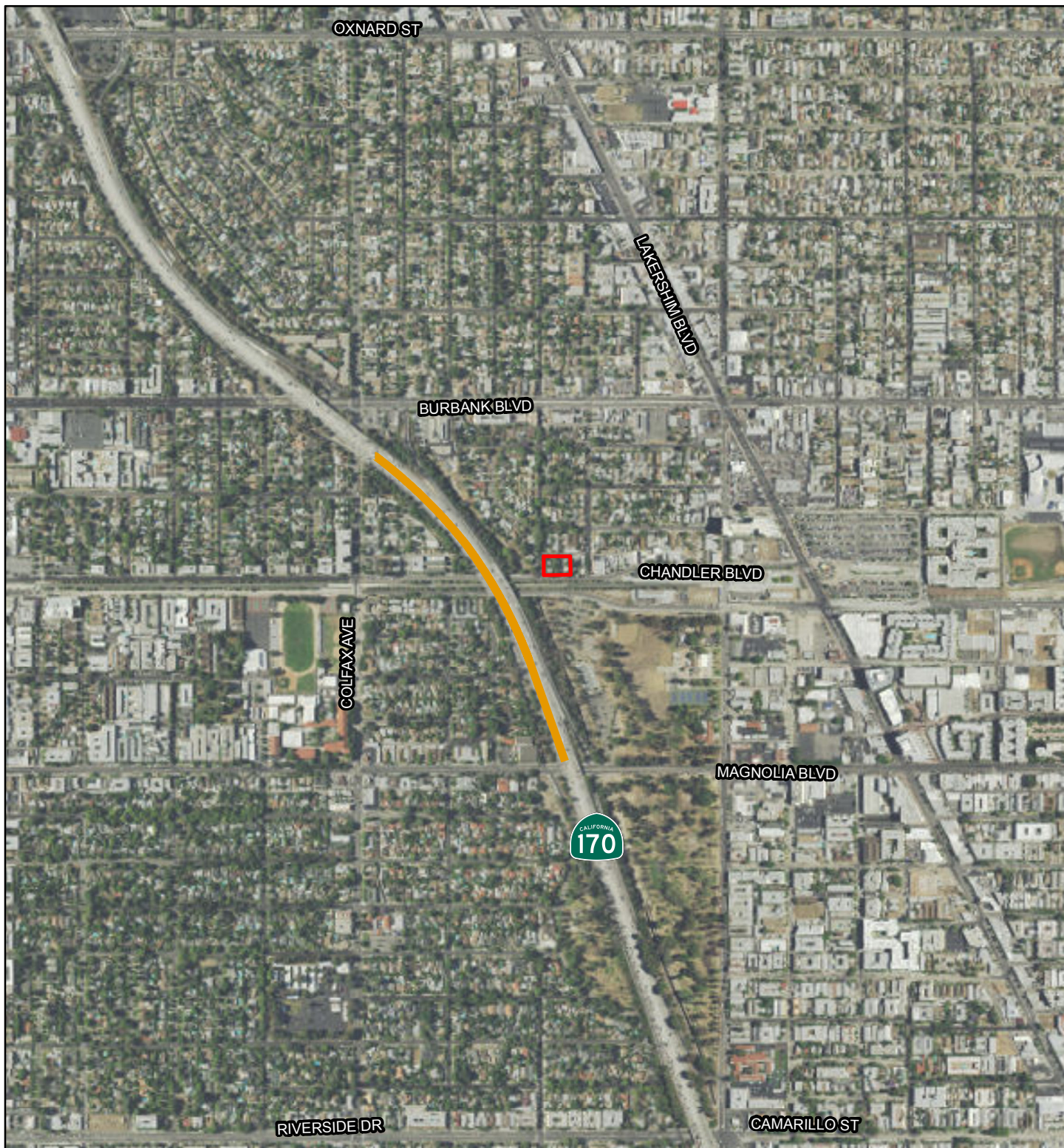
| State Route | County | Postmile | Description                 | Vehicle AADT Total | Truck AADT Total | Truck Percent Total (%) | 2-Axle Truck AADT | 3+-Axle Truck AADT |
|-------------|--------|----------|-----------------------------|--------------------|------------------|-------------------------|-------------------|--------------------|
| 170         | LA     | 15.367   | Los Angeles, Chandler Blvd. | 198,000            | 7,287            | 3.68                    | 4,667             | 2,623              |

**SOURCE:** Caltrans *Traffic Census Data*, 2017.

The Caltrans Traffic Census Data provided AADT for trucks and separated the data by the number of axles. The CT-EMFAC mobile source emissions inventory model generates emission factors for air pollutants based on year of analysis, vehicle category, and speed. This HRA is based on the future exposure of residents of the Proposed Project over 30 years once it is complete; therefore, the CT-EMFAC emission factors for years 2018 to 2047 were obtained and an average 30-year emission rate was calculated for each MSAT compound. The CT-EMFAC vehicle categories selected were Non-Truck (passenger vehicles), Truck 1 (light-heavy duty trucks), and Truck 2 (medium- and heavy-heavy duty trucks). The 2-axle truck AADT was assigned to the Truck 1 category and the 3+-axle truck AADT was assigned to the Truck 2 category, with the remaining 190,713 AADT attributed to Non-Trucks.

---

<sup>1</sup>Caltrans, *2015 Traffic Volumes on California State Highways*, 2016.



**LEGEND:**

— Project Site      — SR-170 Segment

SOURCE: TAHA, 2017.

Along the SR 170 segment, the speed limit for passenger vehicles is 65 miles per hour and the speed limit for trucks is 55 miles per hour. Emission factors were obtained from the CT-EMFAC model for the project fleet mix assuming an average speed of 60 miles per hour for Los Angeles County. The daily vehicle miles traveled (VMT) for the mainline were calculated by multiplying the AADT by the SR 170 corridor length of 0.5 miles within ¼-mile of the project site. According to the Caltrans traffic data, the Magnolia Boulevard on-ramp AADT was 7,370 and the Burbank Boulevard off-ramp AADT was 6,410. Both ramps had a length of 0.17 miles, and it was assumed that average vehicle ramp speed was 30 miles per hour. The average daily VMT for each segment was utilized in combination with emission factors from CT-EMFAC to estimate average TAC emission rates from the SR 170 corridor.

CT-EMFAC provides emission factors in grams of pollutant emitted per vehicle mile traveled (g/mi) for seven MSAT compounds: diesel particulate matter (DPM) exhaust, acetaldehyde, acrolein, benzene, 1,3-butadiene, formaldehyde, and naphthalene. Of these seven compounds, only DPM exists in the particle phase, while the other air toxics are released as diesel exhaust organic gases (DEOG). Exposure to each of these compounds is known to have a carcinogenic and/or non-carcinogenic toxicological effect on human health.

Total daily emissions of each compound were calculated using the vehicle category mix described in **Table 1**, and an annual average emission rate was calculated for each compound in grams per second (g/s). **Table 2** presents the calculated average CT-EMFAC emission factors for 2018–2047 and average emission rate (in g/s) for each MSAT compound assessed in this HRA for the three roadway segments analyzed.

| <b>TABLE 2: MSAT EMISSION RATE CALCULATIONS – MAINLINE &amp; RAMPS</b> |                               |                            |                               |                            |                               |                            |
|------------------------------------------------------------------------|-------------------------------|----------------------------|-------------------------------|----------------------------|-------------------------------|----------------------------|
| <b>Pollutant</b>                                                       | <b>SR 170 Mainline</b>        |                            | <b>Magnolia Blvd. On-Ramp</b> |                            | <b>Burbank Blvd. Off-Ramp</b> |                            |
|                                                                        | <b>Emission Factor (g/mi)</b> | <b>Emission Rate (g/s)</b> | <b>Emission Factor (g/mi)</b> | <b>Emission Rate (g/s)</b> | <b>Emission Factor (g/mi)</b> | <b>Emission Rate (g/s)</b> |
| DPM                                                                    | 0.000353                      | 4.045x10 <sup>-4</sup>     | 0.000438                      | 6.353x10 <sup>-6</sup>     | 0.000438                      | 5.525x10 <sup>-6</sup>     |
| Acetaldehyde                                                           | 0.000271                      | 3.099x10 <sup>-4</sup>     | 0.000543                      | 7.877x10 <sup>-6</sup>     | 0.000543                      | 6.851x10 <sup>-6</sup>     |
| Acrolein                                                               | 0.000029                      | 3.365x10 <sup>-5</sup>     | 0.000040                      | 5.781x10 <sup>-7</sup>     | 0.000040                      | 5.028x10 <sup>-7</sup>     |
| Benzene                                                                | 0.000601                      | 6.885x10 <sup>-4</sup>     | 0.000866                      | 1.256x10 <sup>-5</sup>     | 0.000866                      | 1.092x10 <sup>-5</sup>     |
| 1,3,-Butadiene                                                         | 0.000132                      | 1.515x10 <sup>-4</sup>     | 0.000184                      | 2.671x10 <sup>-6</sup>     | 0.000184                      | 2.323x10 <sup>-6</sup>     |
| Formaldehyde                                                           | 0.000747                      | 8.559x10 <sup>-4</sup>     | 0.001368                      | 1.984x10 <sup>-5</sup>     | 0.001368                      | 1.725x10 <sup>-5</sup>     |
| Naphthalene                                                            | 0.000017                      | 1.940x10 <sup>-5</sup>     | 0.000025                      | 3.606x10 <sup>-7</sup>     | 0.000025                      | 3.136x10 <sup>-7</sup>     |
| <b>SOURCE: TAHA, 2017.</b>                                             |                               |                            |                               |                            |                               |                            |

The mainline emission rates presented in **Table 2** represent the annual average MSAT emission rates for all vehicles traveling along the SR 170 corridor segment, in both northbound and southbound directions. The calculated emission rates were utilized as input data for air dispersion modeling to determine the annual average concentrations of each MSAT compound to which the maximally exposed individual resident (MEIR) of the Proposed Project would be exposed.



## Air Dispersion Modeling

Air dispersion modeling involves the simulation of releases of air pollutant emissions to the atmosphere in order to estimate maximum resultant concentrations at sensitive receptor locations. The United States Environmental Protection Agency (USEPA) officially promulgated the AERMOD Modeling System (AERMOD) as the preferred regulatory air dispersion model in 2006.<sup>2</sup> The HRA for the Proposed Project utilized AERMOD version 16216 to estimate annual average MSAT concentrations at the locations of proposed residential building structures to characterize potential carcinogenic risks and non-carcinogenic hazards to which future residents of the Proposed Project would be exposed. In accordance with HRA guidance published by the Office of Environmental Health Hazard Assessment (OEHHA), MSAT emissions from the SR 170 corridor segment were modeled using separated line volume sources, which are most appropriate to simulate emissions from vehicular travel on roadways.<sup>3</sup>

Two-line volume sources were input to the model to represent the northbound lanes and southbound lanes of SR 170. The line volume sources were traced along the midline of the roadway lanes in each direction. The emission rates in **Table 2** were divided by two to derive emission rates for each direction of SR 170 traffic. A total of 30 volume sources were generated by the AERMOD model for the mainline segment to represent vehicular exhaust emissions, as well as 29 volume sources for each ramp. Emissions from volume sources are characterized by the following parameters: emission rate, release height, plume height, and plume width. An average release height of one meter was assigned to the volume sources to simulate emissions from exhaust tailpipes, as approximately 96.3 percent of traffic is passenger vehicles. An average plume height of 3 meters was assigned to represent vehicle exhaust emissions. An average plume width of 27 meters was assigned to represent the mainline SR 170 segment, and an average plume width of five meters was used for each ramp.

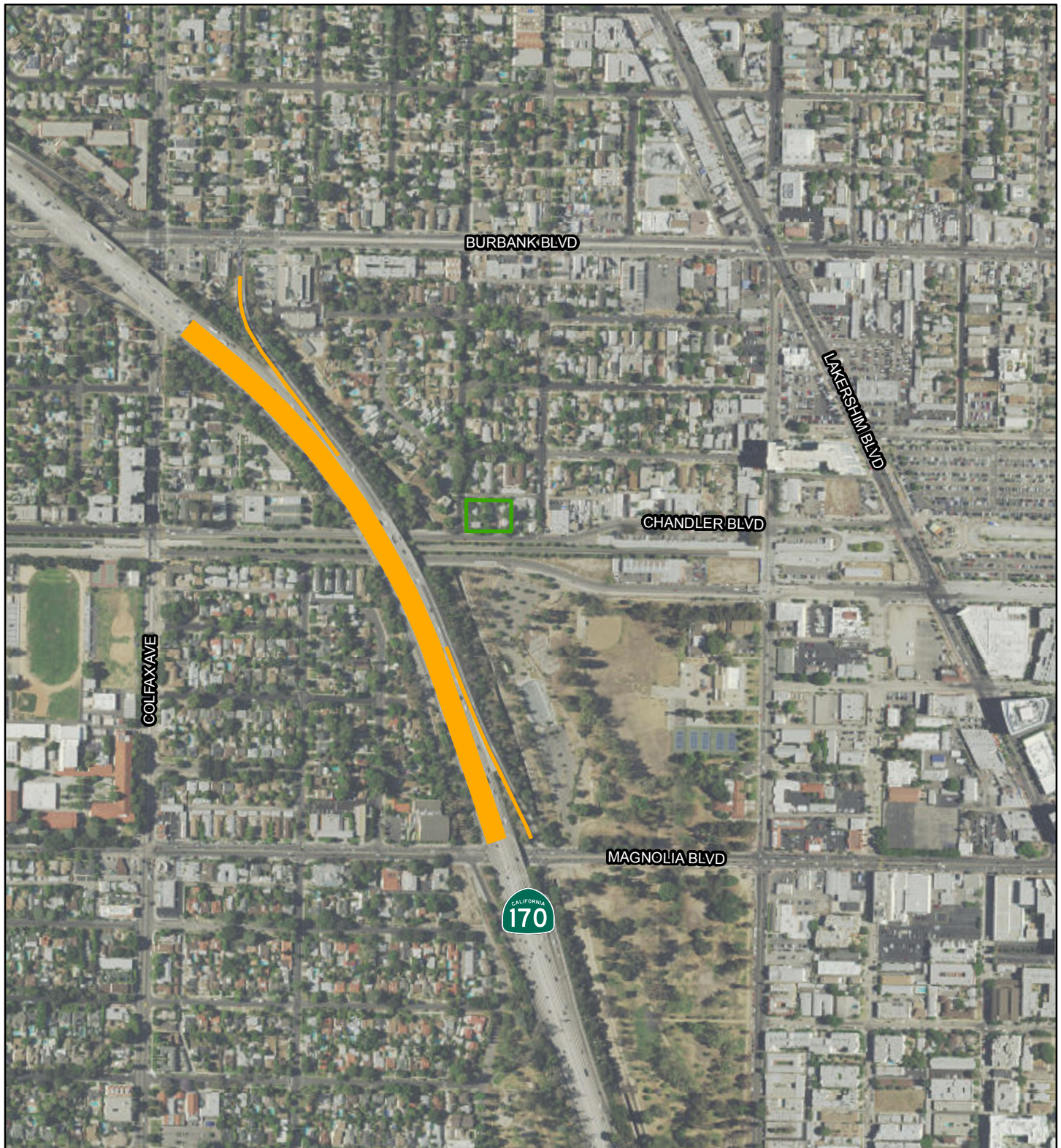
The AERMOD model requires additional input parameters to simulate atmospheric release and dispersion of air pollutants, including meteorological and topographical terrain datasets. Meteorological data for downtown Burbank—located approximately 3.8 miles east of the project site—was obtained from the SCAQMD to represent local weather conditions and prevailing winds. Topographical terrain data is provided within the AERMOD model, and a 10-meter resolution file was selected to achieve the most refined results possible. Sensitive receptors were placed along the perimeter of the proposed residential building locations at a height of 10 meters, as the residential structure will be four stories tall and concentrations at elevated heights will be greater than at surface receptors. A total of 42 receptors were placed at 5-meter intervals along the perimeter of the proposed residential building. **Figure 4** displays the configuration of the line volume sources and the locations of sensitive receptors that were used in the air dispersion modeling for the HRA.

---

<sup>2</sup>USEPA, *AERMOD Implementation Guide*, revised August 3, 2015.

<sup>3</sup>OEHHA Air Toxics Hot Spots Program, *Guidance Manual for Preparation of Health Risk Assessments*, February 2015.

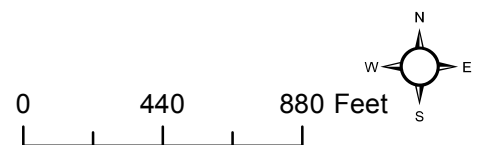




**LEGEND:**

— Perimeter Receptors
  Line Volume Sources

SOURCE: TAHA, 2017.



## Exposure Quantification

The AERMOD model generated annual average concentrations and maximum 1-hour average concentrations in units of micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) at the sensitive receptor locations for each MSAT compound. In accordance with the OEHHA guidance, an HRA must analyze carcinogenic risks and non-carcinogenic hazards to which the MEIR would be exposed. For each MSAT compound, this HRA incorporated the maximum annual average concentration and maximum 1-hour average concentration that was generated by the AERMOD model at the 42 receptor locations. The maximum annual average concentrations and maximum 1-hour average concentrations to which future residents of the Proposed Project would be exposed are presented in **Table 3**. Carcinogenic risks are calculated using the annual average concentrations, and non-carcinogenic hazards are calculated for both acute exposure using the maximum 1-hour average concentrations and chronic exposure using the annual average concentrations.

| TABLE 3: MAXIMUM AERMOD OUTPUT CONCENTRATIONS AT SENSITIVE RECEPTORS |                                                                   |                                                                   |
|----------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| Pollutant                                                            | Maximum Annual Average Concentration ( $\mu\text{g}/\text{m}^3$ ) | Maximum 1-Hour Average Concentration ( $\mu\text{g}/\text{m}^3$ ) |
| DPM                                                                  | 0.01087                                                           | 0.02542                                                           |
| Acetaldehyde                                                         | 0.00841                                                           | 0.01966                                                           |
| Acrolein                                                             | 0.00202                                                           | 0.00473                                                           |
| Benzene                                                              | 0.01854                                                           | 0.04338                                                           |
| 1,3,-Butadiene                                                       | 0.00408                                                           | 0.00954                                                           |
| Formaldehyde                                                         | 0.02317                                                           | 0.05419                                                           |
| Naphthalene                                                          | 0.00052                                                           | 0.00122                                                           |
| Source: TAHA, 2017.                                                  |                                                                   |                                                                   |

Not all of the MSAT compounds have carcinogenic properties, nor do all of them have both acute and chronic non-carcinogenic reference exposure levels (RELs). An REL is the concentration of a pollutant in ambient air to which an exposure over a given time period is not expected to result in non-carcinogenic adverse health effects. The REL values were derived by OEHHA based on a synthesis of peer-reviewed toxicological studies. Some compounds do not have acute or chronic REL values because sufficient scientific literature is not available to establish the safe exposure level.

**Table 4** presents the cancer potency factors (CPF) and acute and chronic RELs for the MSAT compounds analyzed in the HRA.<sup>4</sup> Carcinogenic risks were quantified for those MSAT compounds having CPF values, and non-carcinogenic hazards were calculated for acute and chronic exposure to those MSAT compounds having acute and chronic RELs, respectively. DEOG and POM were excluded from the HRA because they do not have CPF or REL values established through scientific review.

---

<sup>4</sup>OEHHA Air Toxics Hot Spots Program, *Guidance Manual for Preparation of Health Risk Assessments*, February 2015.

**TABLE 4: MSAT CANCER POTENCY FACTORS AND REFERENCE EXPOSURE LEVELS**

| Pollutant      | Cancer Potency Factor<br>(mg/kg-day) <sup>-1</sup> | Chronic REL<br>(µg/m <sup>3</sup> ) | Acute REL<br>(µg/m <sup>3</sup> ) |
|----------------|----------------------------------------------------|-------------------------------------|-----------------------------------|
| DPM            | 1.1                                                | 5.0                                 | --                                |
| Acetaldehyde   | 0.01                                               | 140                                 | 470                               |
| Acrolein       | --                                                 | 0.35                                | 2.5                               |
| Benzene        | 0.1                                                | 3.0                                 | 27                                |
| 1,3,-Butadiene | 0.6                                                | 2.0                                 | 660                               |
| Formaldehyde   | 0.021                                              | 9.0                                 | 55                                |
| Naphthalene    | 0.12                                               | 9.0                                 | --                                |

Source: OEHHA, 2015.

### ***Carcinogenic Risk***

Carcinogenic compounds are not considered to have safe threshold levels (i.e., dose levels below which there are no risks). Any exposure, therefore, will have some associated risk. The South Coast Air Quality Management District (SCAQMD) published HRA guidance pertaining to carcinogenic risk within its CEQA Air Quality Handbook.<sup>5</sup> The SCAQMD recommends that a lifetime probability of contracting cancer greater than 10 in one million ( $1.0 \times 10^{-5}$ ) be used as a significance threshold in HRAs. This risk threshold is consistent with the no significant risk level for exposures to carcinogens regulated under the California Safe Drinking Water and Toxic Enforcement Act (Proposition 65).<sup>6</sup> The carcinogenic risk for future residents of the Proposed Project was calculated based on the latest version of OEHHA guidance.<sup>7</sup> The cancer risk can be estimated from the dose of the chemical inhaled, which is calculated using the following equation:

$$\text{Dose}_{\text{air}} = C_{\text{air}} \times \{\text{BR/BW}\} \times A \times \text{EF} \times 10^{-6}$$

*Where:*

$\text{Dose}_{\text{air}}$  = Daily dose through inhalation (mg/kg-day)

$C_{\text{air}}$  = Concentration in air (µg/m<sup>3</sup>)

{BR/BW} = Daily Breathing Rate (L/kg-day)

A = Inhalation absorption factor (unitless) [1.0]

EF = Exposure frequency (unitless), [350 days/365 days in a year]

The OEHHA guidance provides point estimates of residential daily breathing rates for specific age groups. To conservatively quantify maximum potential cancer risk, OEHHA recommends that exposure be assumed to start at the beginning of the 3<sup>rd</sup> prenatal trimester. The daily breathings rates incorporated into the HRA are: 361 L/kg-day for prenatal exposure during the 3<sup>rd</sup> trimester of pregnancy, 1090 L/kg-day for ages 0–2, 745 L/kg-day for ages 2–16, and

<sup>5</sup>SCAQMD, *CEQA Air Quality Handbook*, 1993.

<sup>6</sup>OEHHA, *Prop 65 in Plain Language*, July 2013.

<sup>7</sup>OEHHA Air Toxics Hot Spots Program, *Guidance Manual for Preparation of Health Risk Assessments*, February 2015.



335 L/kg-day for ages 16–30. Daily doses are calculated individually for age groups using the age-specific daily breathing rates.

The cancer risk associated with exposure to a specific dose of a given carcinogenic compound is calculated using the following equation:

$$\text{Cancer Risk} = \text{Dose}_{\text{air}} \times \text{CPF} \times \text{ASF} \times \text{ED/AT} \times \text{FAH}$$

Where:

|                     |                                                               |
|---------------------|---------------------------------------------------------------|
| Dose <sub>air</sub> | = Daily dose through inhalation (mg/kg-day)                   |
| CPF                 | = Inhalation cancer potency factor (mg/kg-day) <sup>-1</sup>  |
| ASF                 | = Age sensitivity factor for a specified age group (unitless) |
| ED                  | = Exposure duration (in years) for a specified age group      |
| AT                  | = Averaging time for lifetime cancer risk (years) [70 years]  |
| FAH                 | = Fraction of time spent at home (unitless)                   |

As mentioned previously, the CPF values are chemical-specific and are presented in **Table 4**. OEHHA has developed Age Sensitivity Factors (ASF) to account for heightened sensitivity of young children to carcinogenic exposures. The ASF values for the age groups described above are: 10.0 for prenatal exposure during the third trimester and for ages 0–2, 3.0 for ages 2–16, and 1.0 for ages 16–30. The exposure duration for future residents of the Proposed Project is 30.25 years, in accordance with the OEHHA guidance; the 30.25 years are divided into 0.25 years for prenatal exposure, 2 years for infant exposure, 14 years for childhood exposure, and 14 years for young adult exposure. The averaging time (AT) is the averaging time over which lifetime carcinogenic risk factors were derived and is set at 70 years per OEHHA guidance. The fraction of time at home (FAH) values are also age-specific as follows: 0.85 for prenatal and infant exposure, 0.72 for childhood exposure, and 0.73 for young adult exposure.

**Table 5** presents the results of the carcinogenic element of the HRA for future residents of the Proposed Project. The total residential cancer risk was calculated by summing the cancer risk during each life stage for all MSAT compounds with CPF values. As shown in **Table 5**, the total cancer risk to which the MEIR of the Proposed Project without air filtration would be exposed is 10.5 in one million, or  $1.05 \times 10^{-5}$ . The estimated incremental excess cancer risk from exposure to freeway TAC pollution is marginally greater than the SCAQMD threshold of 10 in one million.

The City of Los Angeles adopted a Clean Up Green Up Ordinance (Ordinance Number 184,245) on April 13, 2016, which among other provisions, includes provisions related to ventilation system filter efficiency in mechanically ventilated buildings. This ordinance added Sections 95.314.3 and 99.04.504.6 to the Los Angeles Municipal Code (LAMC) and amended Section 99.05.504.5.3 to implement building standards and requirements to address cumulative health impacts resulting from incompatible land use patterns. Section 99.04.504.6, which became effective June 4, 2016, mandates that regularly occupied areas in mechanically ventilated buildings within 1,000 feet of a freeway be provided with air filtration media for outside and return air that meet a Minimum Efficiency Report Value (MERV) of 13. The Ordinance requires that these filters be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.



The only exception to Section 99.04.504.3 applies to existing mechanical equipment. Additionally, Section 99.05.504.3 states that regularly occupied areas in all mechanically ventilated buildings shall be provided with air filtration media for outside and return air that meets a MERV of 8. An exception is provided for existing mechanical equipment and for new ventilation units meeting certain 2013 California Energy Code requirements. These additions to the LAMC are designed to address cumulative health impacts in highly polluted areas resulting from incompatible land use patterns within the City of Los Angeles.

An analysis has been completed to determine the cancer risk with MERV 13 filters. These filters are known to reduce particulate matter concentrations by 85 percent for particles 0.1 microns and larger. As shown in **Table 5**, the total cancer risk to which the MEIR of the Proposed Project with MERV filters would be 4.2 in one million, or  $4.2 \times 10^{-6}$ . The results of the analysis demonstrate that the MERV 13 filters would effectively reduce TAC exposures of future residents of the Proposed Project to acceptable levels in accordance with SCAQMD guidance.

### ***Non-Carcinogenic Hazards***

An evaluation of the potential non-carcinogenic effects of chronic and acute chemical exposures was also conducted as part of the HRA. The likelihood of future residents of the Proposed Project being subjected to MSAT concentrations sufficient to cause adverse health effects was evaluated by comparing the annual average concentrations and maximum 1-hour average concentrations of each MSAT compound with the associated chronic and acute REL values, respectively. The metric for analyzing non-carcinogenic effects of exposure to toxic air pollution is known as the Hazard Index (HI). The HI represents the sum of the individual air toxic Hazard Quotients (HQ), which are calculated by dividing the measured or modeled concentration for each MSAT compound by the associated REL value. The SCAQMD Air Quality guidelines use a significance threshold of a 1.0 HI. The following equations were used to calculate the chemical-specific chronic and acute HQ values and non-carcinogenic HI values:

$$HQ_i = C_{air-i} \times (REL_i)^{-1}$$

$$HI = \sum HQ_i$$

Where:

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| HQ <sub>i</sub>    | = Hazard Quotient for pollutant i (unitless)                  |
| C <sub>air-i</sub> | = Concentration of pollutant i in air (µg/m <sup>3</sup> )    |
| REL <sub>i</sub>   | = Reference Exposure Level concentration (µg/m <sup>3</sup> ) |
| HI                 | = Hazard Index (unitless) [acute or chronic]                  |

The HQ values were calculated for each MSAT compound shown in **Table 4**, above. **Table 6** presents the results of the HQ and HI calculations for future residents of the Proposed Project. The total chronic HI for future residents of the Proposed Project was 0.02, and the total acute HI for future residents of the Proposed Project was 0.005. Both of the calculated HI values are substantially below the SCAQMD significance threshold of 1.0. Therefore, future residential exposure to non-carcinogenic hazards at the Proposed Project would not result in significant air quality impacts. Sensitive receptors would not be exposed to substantial pollutant concentrations.

| <b>TABLE 5: PROPOSED PROJECT RESIDENTIAL CARCINOGENIC RISK</b>                   |                  |                      |                       |                      |                           |                     |                               |                                     |            |                   |                   |            |                                  |
|----------------------------------------------------------------------------------|------------------|----------------------|-----------------------|----------------------|---------------------------|---------------------|-------------------------------|-------------------------------------|------------|-------------------|-------------------|------------|----------------------------------|
| <b>Pollutant</b>                                                                 | <b>Age Group</b> | <b>Conc. (µg/m³)</b> | <b>DBR (L/kg-day)</b> | <b>Absorb Factor</b> | <b>Exposure Frequency</b> | <b>Conv. Factor</b> | <b>Daily Dose (mg/kg-day)</b> | <b>CPF (mg/kg-day)<sup>-1</sup></b> | <b>ASF</b> | <b>ED (Years)</b> | <b>AT (Years)</b> | <b>FAH</b> | <b>Cancer Risk (per million)</b> |
| <b>DPM</b>                                                                       | Prenatal         | 0.01087              | 361                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 3.77x10 <sup>-6</sup>         | 1.1                                 | 10         | 0.25              | 70                | 0.85       | 0.13                             |
|                                                                                  | Infant           | 0.01087              | 1090                  | 1                    | 0.96                      | 10 <sup>-6</sup>    | 1.14x10 <sup>-5</sup>         | 1.1                                 | 10         | 2                 | 70                | 0.85       | 3.04                             |
|                                                                                  | Child            | 0.01087              | 745                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 7.77x10 <sup>-6</sup>         | 1.1                                 | 3          | 14                | 70                | 0.72       | 3.69                             |
|                                                                                  | Adult            | 0.01087              | 335                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 3.50x10 <sup>-6</sup>         | 1.1                                 | 1          | 14                | 70                | 0.73       | 0.56                             |
| <b>Total DPM Risk</b>                                                            |                  |                      |                       |                      |                           |                     |                               |                                     |            |                   |                   |            | <b>7.4</b>                       |
| <b>Mitigated DPM Risk – MERV 13 Filter Installation (85% Particle Reduction)</b> |                  |                      |                       |                      |                           |                     |                               |                                     |            |                   |                   |            | <b>1.1</b>                       |
| <b>Acetaldehyde</b>                                                              | Prenatal         | 0.00841              | 361                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 2.91x10 <sup>-6</sup>         | 0.01                                | 10         | 0.25              | 70                | 0.85       | 0.001                            |
|                                                                                  | Infant           | 0.00841              | 1090                  | 1                    | 0.96                      | 10 <sup>-6</sup>    | 8.80x10 <sup>-6</sup>         | 0.01                                | 10         | 2                 | 70                | 0.85       | 0.02                             |
|                                                                                  | Child            | 0.00841              | 745                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 6.01x10 <sup>-6</sup>         | 0.01                                | 3          | 14                | 70                | 0.72       | 0.03                             |
|                                                                                  | Adult            | 0.00841              | 335                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 2.70x10 <sup>-6</sup>         | 0.01                                | 1          | 14                | 70                | 0.73       | 0.004                            |
| <b>Benzene</b>                                                                   | Prenatal         | 0.01854              | 361                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 6.43x10 <sup>-6</sup>         | 0.1                                 | 10         | 0.25              | 70                | 0.85       | 0.02                             |
|                                                                                  | Infant           | 0.01854              | 1090                  | 1                    | 0.96                      | 10 <sup>-6</sup>    | 1.94x10 <sup>-5</sup>         | 0.1                                 | 10         | 2                 | 70                | 0.85       | 0.47                             |
|                                                                                  | Child            | 0.01854              | 745                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 1.33x10 <sup>-5</sup>         | 0.1                                 | 3          | 14                | 70                | 0.72       | 0.57                             |
|                                                                                  | Adult            | 0.01854              | 335                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 5.96x10 <sup>-6</sup>         | 0.1                                 | 1          | 14                | 70                | 0.73       | 0.09                             |
| <b>1,3-Butadiene</b>                                                             | Prenatal         | 0.00408              | 361                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 1.41x10 <sup>-6</sup>         | 0.6                                 | 10         | 0.25              | 70                | 0.85       | 0.03                             |
|                                                                                  | Infant           | 0.00408              | 1090                  | 1                    | 0.96                      | 10 <sup>-6</sup>    | 4.27x10 <sup>-6</sup>         | 0.6                                 | 10         | 2                 | 70                | 0.85       | 0.62                             |
|                                                                                  | Child            | 0.00408              | 745                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 2.92x10 <sup>-6</sup>         | 0.6                                 | 3          | 14                | 70                | 0.72       | 0.76                             |
|                                                                                  | Adult            | 0.00408              | 335                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 1.31x10 <sup>-6</sup>         | 0.6                                 | 1          | 14                | 70                | 0.73       | 0.11                             |
| <b>Formaldehyde</b>                                                              | Prenatal         | 0.02317              | 361                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 8.03x10 <sup>-6</sup>         | 0.021                               | 10         | 0.25              | 70                | 0.85       | 0.01                             |
|                                                                                  | Infant           | 0.02317              | 1090                  | 1                    | 0.96                      | 10 <sup>-6</sup>    | 2.42x10 <sup>-5</sup>         | 0.021                               | 10         | 2                 | 70                | 0.85       | 0.12                             |
|                                                                                  | Child            | 0.02317              | 745                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 1.66x10 <sup>-5</sup>         | 0.021                               | 3          | 14                | 70                | 0.72       | 0.15                             |
|                                                                                  | Adult            | 0.02317              | 335                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 7.45x10 <sup>-6</sup>         | 0.021                               | 1          | 14                | 70                | 0.73       | 0.02                             |
| <b>Naphthalene</b>                                                               | Prenatal         | 0.00052              | 361                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 1.80x10 <sup>-7</sup>         | 0.12                                | 10         | 0.25              | 70                | 0.85       | 0.001                            |
|                                                                                  | Infant           | 0.00052              | 1090                  | 1                    | 0.96                      | 10 <sup>-6</sup>    | 5.44x10 <sup>-7</sup>         | 0.12                                | 10         | 2                 | 70                | 0.85       | 0.02                             |
|                                                                                  | Child            | 0.00052              | 745                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 3.72x10 <sup>-7</sup>         | 0.12                                | 3          | 14                | 70                | 0.72       | 0.02                             |
|                                                                                  | Adult            | 0.00052              | 335                   | 1                    | 0.96                      | 10 <sup>-6</sup>    | 1.67x10 <sup>-7</sup>         | 0.12                                | 1          | 14                | 70                | 0.73       | 0.003                            |
| <b>Total Unmitigated Incremental Cancer Risk</b>                                 |                  |                      |                       |                      |                           |                     |                               |                                     |            |                   |                   |            | <b>10.5</b>                      |
| <b>Total Incremental Cancer Risk with MERV 13 Filter Mitigation</b>              |                  |                      |                       |                      |                           |                     |                               |                                     |            |                   |                   |            | <b>4.2</b>                       |
| <b>SCAQMD Threshold</b>                                                          |                  |                      |                       |                      |                           |                     |                               |                                     |            |                   |                   |            | <b>10</b>                        |
| <b>Exceed Threshold?</b>                                                         |                  |                      |                       |                      |                           |                     |                               |                                     |            |                   |                   |            | <b>No</b>                        |
| Source: TAHA, 2017.                                                              |                  |                      |                       |                      |                           |                     |                               |                                     |            |                   |                   |            |                                  |

**TABLE 6: PROPOSED PROJECT RESIDENTIAL NON-CARCINOGENIC HAZARDS**

| Pollutant           | Annual Conc.<br>(µg/m³) | Chronic REL<br>(µg/m³) | Chronic<br>HQ         | Max 1-Hour Conc.<br>(µg/m³) | Acute REL<br>(µg/m³) | Acute<br>HQ           |
|---------------------|-------------------------|------------------------|-----------------------|-----------------------------|----------------------|-----------------------|
| DPM                 | 0.01087                 | 5.0                    | 2.17x10 <sup>-3</sup> | 0.02542                     | --                   | --                    |
| Acetaldehyde        | 0.00841                 | 140                    | 6.01x10 <sup>-5</sup> | 0.01966                     | 470                  | 4.18x10 <sup>-5</sup> |
| Acrolein            | 0.00202                 | 0.35                   | 5.77x10 <sup>-3</sup> | 0.00473                     | 2.5                  | 1.89x10 <sup>-3</sup> |
| Benzene             | 0.01854                 | 3.0                    | 6.18x10 <sup>-3</sup> | 0.04338                     | 27                   | 1.61x10 <sup>-3</sup> |
| 1,3,-Butadiene      | 0.00408                 | 2.0                    | 2.04x10 <sup>-3</sup> | 0.00954                     | 660                  | 1.45x10 <sup>-5</sup> |
| Formaldehyde        | 0.02317                 | 9.0                    | 2.57x10 <sup>-3</sup> | 0.05419                     | 55                   | 9.85x10 <sup>-4</sup> |
| Naphthalene         | 0.00052                 | 9.0                    | 5.78x10 <sup>-5</sup> | 0.00122                     | --                   | --                    |
|                     |                         |                        |                       |                             |                      |                       |
| Total Chronic HI    |                         |                        | 0.02                  | Total Acute HI              |                      | 0.005                 |
| SOURCE: TAHA, 2017. |                         |                        |                       |                             |                      |                       |

## Conclusion

TAHA prepared an HRA in accordance with guidance established by the City of Los Angeles and SCAQMD. Due to proximity to SR 170, Proposed Project implementation would require installation of MERV 13 filters in accordance with City Ordinance Number 184,245 and Municipal Code Section 99.04.504.6. Results of the HRA demonstrate that the MERV 13 filters would effectively reduce ventilated particulate concentrations from freeway emissions to levels that would not result in exposures exceeding the SCAQMD threshold for TAC. Conforming to the requirements of Municipal Code Section 99.04.504.6 would adequately mitigate the exposure of future residents of the Proposed Project to less than significant levels and no further mitigation would be required. Future residents of the Proposed Project would not be exposed to substantial pollutant concentrations and air quality impacts resulting from SR 170 freeway traffic would be less than significant.

## Appendix

- Caltrans Traffic Data
- CT-EMFAC Emission Factors
- Emission Rate Calculations
- AERMOD Input Files
- AERMOD Output Files
- Carcinogenic Risk Calculations
- Non-Carcinogenic Hazard Calculations



## Caltrans Traffic Data

- 2015 SR 170 Mainline AADT
- 2015 SR 170 Ramp AADT
- 2015 SR 170 Truck AADT

# **2015 Traffic Volumes on California State Highways**



**2015 TRAFFIC VOLUMES**  
**ON THE CALIFORNIA STATE HIGHWAY SYSTEM**

**STATE OF CALIFORNIA**  
**THE TRANSPORTATION AGENCY**  
**DEPARTMENT OF TRANSPORTATION**

**DIVISION OF TRAFFIC OPERATIONS**

**Sacramento, CA 95814**

**916-654-4578**

**Prepared in Cooperation with the**  
**U.S. DEPARTMENT OF TRANSPORTATION**  
**Federal Highway Administration**

**To Purchase This Book**  
**Price \$15.00**  
**Phone: 916-263-0822**

## 2015 Traffic Volumes on California State Highways

| Dist | Route | County | Postmile | Description                               | Back<br>Peak<br>Hour | Back<br>Peak<br>Month | Back<br>AADT | Ahead<br>Peak<br>Hour | Ahead<br>Peak<br>Month | Ahead<br>AADT |
|------|-------|--------|----------|-------------------------------------------|----------------------|-----------------------|--------------|-----------------------|------------------------|---------------|
| 06   | 168   | FRE    | R 36.179 | AUBERRY ROAD                              | 1150                 | 11000                 | 10000        | 1100                  | 10300                  | 9100          |
| 06   | 168   | FRE    | 45       | DINKEY CREEK ROAD                         | 940                  | 10000                 | 7800         | 630                   | 5600                   | 4800          |
| 06   | 168   | FRE    | 47.85    | SHAVER HEIGHTS; DALTON AVENUE             | 310                  | 2900                  | 2400         | 170                   | 1200                   | 950           |
| 06   | 168   | FRE    | 49.66    | HUNTINGTON LAKE ROAD                      | 170                  | 1200                  | 950          | 150                   | 1100                   | 880           |
| 06   | 168   | FRE    | 65.84    | FLORENCE LAKE ROAD                        | 150                  | 1100                  | 860          |                       |                        |               |
| 09   | 168   | INY    | R 0      | LAKE SABRINA                              |                      |                       |              | 70                    | 500                    | 400           |
| 09   | 168   | INY    | R 3.278  | SOUTH LAKE ROAD                           | 90                   | 500                   | 400          | 130                   | 1100                   | 530           |
| 09   | 168   | INY    | 14.74    | OTEE ROAD                                 | 170                  | 1500                  | 1200         | 180                   | 1600                   | 1210          |
| 09   | 168   | INY    | 16.342   | BROCKMAN LANE                             | 650                  | 6800                  | 6300         | 630                   | 6700                   | 6330          |
| 09   | 168   | INY    | 18.31    | JCT. RTE. 395                             | 830                  | 8100                  | 7690         | 90                    | 720                    | 470           |
| 09   | 168   | INY    | 54.699   | INYO/MONO COUNTY LINE                     | 40                   | 290                   | 170          |                       |                        |               |
| 09   | 168   | MNO    | 0        | INYO/MONO COUNTY LINE                     |                      |                       |              | 40                    | 290                    | 170           |
| 09   | 168   | MNO    | 1.45     | OASIS, JCT. RTE. 266 NORTH                | 50                   | 350                   | 230          |                       |                        |               |
| 01   | 169   | DN     | R 0      | KLAMATH, JCT. RTE. 101                    |                      |                       |              | 250                   | 2650                   | 1900          |
| 01   | 169   | DN     | R .248   | SIMPSON MILL ROAD                         | 250                  | 2650                  | 1900         | 120                   | 1300                   | 930           |
| 01   | 169   | DN     | 2.89     | ARROW MILLS ROAD                          | 120                  | 1300                  | 930          | 120                   | 1300                   | 930           |
| 01   | 169   | DN     | 3.521    | KLAMATH GLEN, RIFFLE ROAD                 | 150                  | 1300                  | 930          |                       |                        |               |
| 01   | 169   | HUM    | 13.2     | WAUTECK VILLAGE                           |                      |                       |              | 40                    | 280                    | 200           |
| 01   | 169   | HUM    | 29.95    | MARTINS FERRY BRIDGE                      | 60                   | 440                   | 320          | 60                    | 440                    | 320           |
| 01   | 169   | HUM    | 33.84    | WEITCHPEC, JCT. RTE. 96                   | 70                   | 510                   | 370          |                       |                        |               |
| 07   | 170   | LA     | R 14.5   | LOS ANGELES, JCT. RTES. 101/134           |                      |                       |              | 14300                 | 198000                 | 179000        |
| 07   | 170   | LA     | R 14.78  | LOS ANGELES, RIVERSIDE DRIVE              | 14300                | 198000                | 179000       | 15800                 | 215000                 | 195000        |
| 07   | 170   | LA     | R 15.367 | LOS ANGELES, MAGNOLIA BOULEVARD           | 15800                | 215000                | 195000       | 16300                 | 218000                 | 198000        |
| 07   | 170   | LA     | R 15.988 | LOS ANGELES, BURBANK BOULEVARD            | 16300                | 218000                | 198000       | 16200                 | 219000                 | 200000        |
| 07   | 170   | LA     | R 16.626 | LOS ANGELES, OXNARD ST/LAUREL CANYON BLVD | 16200                | 219000                | 200000       | 16300                 | 217000                 | 198000        |
| 07   | 170   | LA     | R 17.248 | LOS ANGELES, VICTORY BOULEVARD            | 16300                | 217000                | 198000       | 16000                 | 209000                 | 191000        |
| 07   | 170   | LA     | R 18.274 | LOS ANGELES, SHERMAN WAY                  | 16000                | 209000                | 191000       | 13700                 | 180000                 | 164000        |
| 07   | 170   | LA     | R 19.721 | LOS ANGELES, ROSCOE BOULEVARD             | 13700                | 180000                | 164000       | 12300                 | 158000                 | 146000        |
| 07   | 170   | LA     | R 20.101 | LOS ANGELES, SHELDON/ ARLETA STREETS      | 12300                | 158000                | 146000       | 11300                 | 145000                 | 134000        |
| 07   | 170   | LA     | R 20.551 | LOS ANGELES, JCT. RTE. 5                  | 11300                | 145000                | 134000       |                       |                        |               |
| 02   | 172   | TEH    | 0        | MINERAL, JCT. RTE. 36                     |                      |                       |              | 60                    | 210                    | 120           |
| 02   | 172   | TEH    | 5.77     | MILL CREEK                                | 60                   | 210                   | 120          | 30                    | 200                    | 90            |
| 02   | 172   | TEH    | 8.917    | MORGAN SPRINGS, JCT. RTE. 36              | 30                   | 200                   | 90           |                       |                        |               |
| 08   | 173   | SBD    | L 0      | JCT. RTE. 138                             |                      |                       |              | 260                   | 1550                   | 1150          |
| 08   | 173   | SBD    | L 6.989  | ARROWHEAD LAKE ROAD                       | 260                  | 1550                  | 1150         | 30                    | 200                    | 150           |
| 08   | 173   | SBD    | 12.85    | NEAR RIFLE RANGE ROAD                     | 60                   | 340                   | 250          | 140                   | 810                    | 600           |
| 08   | 173   | SBD    | 17.206   | NORTH BAY ROAD                            | 140                  | 810                   | 600          | 100                   | 750                    | 600           |
| 08   | 173   | SBD    | 19.772   | LAKE ARROWHEAD, HOOK CREEK ROAD           | 340                  | 2950                  | 2650         | 580                   | 5000                   | 4500          |
| 08   | 173   | SBD    | 20.97    | LAKE ARROWHEAD, KUFFEL CANYON ROAD        | 860                  | 7500                  | 6700         | 1100                  | 9500                   | 8500          |



**2015**  
**Ramp Volumes**  
**on the**  
**California State Freeway System**

**District 7**

**(Includes Counties: Los Angeles, Ventura)**

**Compiled by the**  
**Division of Traffic Operations**

**of the**

**State of California**  
**California State Transportation Agency**  
**Department of Transportation**

**Prepared in cooperation with the**  
**U.S. Department of Transportation**  
**Federal Highway Administration**

Freeway ramp volumes are shown for all the ramps on the freeway system. The ramps are listed by District and in Legislative Route Number order. The volumes shown are those obtained after ramp balancing and rounding. No seasonal or daily adjustment is made. Ramps are not counted every year, but generally every three years.

The description for some ramps includes the abbreviations 'DUM' and 'SEG', which mean 'dummy' and 'segment'.

The 'dummy' entry is actually a duplicate entry. The ramp (or in some instances highway segment) record exists on another intersecting route. The 'dummy' or duplicate record is for a point of volumes change only on the associated route.

The term 'segment' (SEG) is applied to a ramp segment that does not physically and directly touch the freeway route it is assigned to; i.e., there is another ramp which intervenes between the particular ramp 'segment' and the freeway.

Each ramp location is identified by a post mile value approximating a corresponding point on the highway. The post mile values increase from the beginning of a route within a county to the next county line. The post mile values start over again at each county line. Post mile values increase from south to north or west to east depending upon the general direction the route follows within the State.

The post mile at a given location will remain the same year after year. When a section of road is relocated, new post miles (usually noted by an alphabetical prefix such as "R" or "M") are established for it. If relocation results in a change in length, "post mile equations" are introduced at the end of each relocated portion so that post miles on the remainder of the route within the county will remain unchanged. Post mile equations are not shown on the report.

Ramps without an ADT in the last ten years will not be published.

| 07-LA-170 |              |        |                             |             |             |             |             |             |             |             |             |             |             |
|-----------|--------------|--------|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| P<br>P    | POST<br>MILE | P<br>S | DESCRIPTION                 | 2006<br>ADT | 2007<br>ADT | 2008<br>ADT | 2009<br>ADT | 2010<br>ADT | 2011<br>ADT | 2012<br>ADT | 2013<br>ADT | 2014<br>ADT | 2015<br>ADT |
| R         | 014.704      |        | NB ON FROM WB 134/VINELAND  |             |             | 30000       |             |             |             |             |             |             | 33100       |
| R         | 014.705      |        | SEG NB ON FR NB VINELAND AV |             |             | 4300        |             |             |             |             |             |             |             |
| R         | 014.746      |        | SB OFF TO EB RTE 134        |             |             | 28500       |             |             |             | 29000       | 29200       |             | 32220       |
| R         | 014.972      |        | SB OFF TO CAMARILLO ST      |             |             | 8000        |             |             |             |             |             |             | 8780        |
| R         | 015.032      |        | NB ON FROM CAMARILLO ST     |             |             | 6700        |             |             |             |             |             |             | 7400        |
| R         | 015.262      |        | SB ON FROM MAGNOLIA BLVD    |             |             | 7900        |             |             |             |             | 5200        |             | 7080        |
| R         | 015.263      |        | NB OFF TO MAGNOLIA BLVD     |             |             | 6700        |             |             |             |             |             |             | 5990        |
| R         | 015.504      |        | NB ON FROM MAGNOLIA BLVD    |             |             | 6700        |             |             |             |             |             |             | 7370        |
| R         | 015.580      |        | SB OFF TO MAGNOLIA BLVD     |             |             | 7500        |             |             |             |             | 5250        |             | 8230        |
| R         | 015.789      |        | NB OFF TO BURBANK BLVD      |             |             | 7200        |             |             |             |             |             |             | 6410        |
| R         | 015.902      |        | SB ON FROM BURBANK BLVD     |             |             | 7600        |             |             |             |             | 4500        |             | 6830        |
| R         | 016.139      |        | NB ON FROM BURBANK BLVD     |             |             | 6500        |             |             |             |             |             |             | 7210        |
| R         | 016.172      |        | SB OFF TO BURBANK BLVD      |             |             | 7500        |             |             |             |             |             |             | 8230        |
| R         | 016.429      |        | NB OFF TO OXNARD ST         |             | 8301        | 8300        |             |             |             |             |             |             | 7460        |
| R         | 016.520      |        | SB ON FROM OXNARD ST        |             |             | 8700        |             |             |             | 8900        | 8900        |             | 7920        |
| R         | 016.614      |        | NB ON FROM OXNARD ST        |             | 5201        | 5200        |             |             |             |             |             |             | 5760        |
| R         | 016.924      |        | SB OFF TO OXNARD ST         |             | 6901        | 6900        |             |             |             |             |             |             | 7640        |
| R         | 016.949      |        | NB OFF TO VICTORY BLVD      |             | 14201       | 14200       |             |             |             |             |             |             | 12690       |
| R         | 017.062      |        | SEG NB OFF TO EB VICTORY BL |             | 4651        | 4650        |             |             |             |             |             |             |             |
| R         | 017.063      |        | SEG NB OFF TO WB VICTORY BL |             | 9701        | 9700        |             |             |             |             |             |             |             |
| R         | 017.134      |        | SB ON FROM EB VICTORY BLVD  |             | 10001       | 10000       |             |             |             | 10201       | 10600       |             | 8990        |
| R         | 017.191      |        | NB ON FROM EB VICTORY BLVD  |             | 2801        | 2800        |             |             |             |             |             |             | 3100        |

## CALTRANS TRUCK AADT DATA

| ROUTE | DISTRICT | COUNTY | MILE   | POST MILE | L<br>E<br>G<br>DESCRIPTION      | VEHICLE | TRUCK | TRUCK |       | TRUCK | AADT | TOTAL | %     | TRUCK | AADT  |       | EAL    | YEAR |
|-------|----------|--------|--------|-----------|---------------------------------|---------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|--------|------|
|       |          |        |        |           |                                 | AADT    | AADT  | % TOT |       | By    | Axle |       | By    | Axle  |       |       | 2-WAY  | VER/ |
|       |          |        |        |           |                                 | TOTAL   | TOTAL | VEH   | 2     | 3     | 4    | 5+    | 2     | 3     | 4     | 5+    | (1000) | EST  |
| 170   | 7        | LA     | R14.5  | A         | LOS ANGELES, JCT. RTES. 101/134 | 179,000 | 6,944 | 3.88  | 4,444 | 846   | 303  | 1,351 | 63.99 | 12.18 | 4.37  | 19.46 | 744    | 11E  |
| 170   | 7        | LA     | R17.62 | O         | S/O SHERMAN WAY; VAN OWEN ST    | 191,000 | 6,640 | 3.48  | 3,583 | 1,162 | 689  | 1,206 | 53.96 | 17.50 | 10.38 | 18.16 | 750    | 15V  |

Average Truck %  
3.68



## CT-EMFAC Emission Factors

- Project Fleet Mix Emission Factors

**CT-EMFAC Fleet Mix Emissions Factors****Years 2018 to 2047**

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2018-2047

| PollutantName | 30 mph   | 35 mph      | 40 mph      | 45 mph      | 50 mph      | 55 mph      | 60 mph      | 65 mph      |
|---------------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Benzene       | 0.000866 | 0.000718167 | 0.000624733 | 0.000571333 | 0.000549833 | 0.000559067 | 0.000600900 | 0.0006799   |
| Acrolein      | 0.000040 | 0.000033367 | 0.000029400 | 0.000027167 | 0.000026367 | 0.000027133 | 0.000029367 | 3.32667E-05 |
| Acetaldehyde  | 0.000543 | 0.000432333 | 0.000354933 | 0.000302800 | 0.000271233 | 0.000260400 | 0.000270467 | 0.000299367 |
| Formaldehyde  | 0.001368 | 0.001100067 | 0.000916800 | 0.000797267 | 0.000728567 | 0.000711567 | 0.000747000 | 0.000832233 |
| Butadiene     | 0.000184 | 0.000153433 | 0.000134300 | 0.000123700 | 0.000119800 | 0.000122600 | 0.000132233 | 0.000149867 |
| Naphthalene   | 0.000025 | 0.000020633 | 0.000017833 | 0.000016200 | 0.000015500 | 0.000015733 | 0.000016933 | 0.0000191   |
| DieselPM      | 0.000438 | 0.000397400 | 0.000369133 | 0.000351300 | 0.000342867 | 0.000343567 | 0.000353000 | 0.000369433 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2018

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.001642 | 0.00137  | 0.001198 | 0.0011   | 0.001062 | 0.001082 | 0.001162 | 0.001313 |
| Acrolein      | 0.000074 | 0.000062 | 0.000055 | 0.000051 | 0.000049 | 0.00005  | 0.000054 | 0.000061 |
| Acetaldehyde  | 0.001058 | 0.000859 | 0.000719 | 0.000629 | 0.000581 | 0.000577 | 0.000615 | 0.000692 |
| Formaldehyde  | 0.002659 | 0.002172 | 0.001839 | 0.001629 | 0.001525 | 0.001523 | 0.001627 | 0.001833 |
| Butadiene     | 0.000344 | 0.000288 | 0.000253 | 0.000234 | 0.000227 | 0.000232 | 0.000249 | 0.000282 |
| Naphthalene   | 0.000045 | 0.000038 | 0.000033 | 0.00003  | 0.000029 | 0.000029 | 0.000032 | 0.000036 |
| DieselPM      | 0.001437 | 0.001313 | 0.001242 | 0.001222 | 0.001248 | 0.001322 | 0.001399 | 0.001462 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2019

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.001462 | 0.001217 | 0.001063 | 0.000974 | 0.00094  | 0.000956 | 0.001025 | 0.001157 |
| Acrolein      | 0.000066 | 0.000055 | 0.000048 | 0.000045 | 0.000044 | 0.000045 | 0.000048 | 0.000054 |
| Acetaldehyde  | 0.000972 | 0.000786 | 0.000656 | 0.000572 | 0.000526 | 0.000519 | 0.000551 | 0.000619 |
| Formaldehyde  | 0.002421 | 0.001972 | 0.001665 | 0.001469 | 0.001369 | 0.001362 | 0.00145  | 0.001631 |
| Butadiene     | 0.000307 | 0.000256 | 0.000225 | 0.000207 | 0.000201 | 0.000205 | 0.00022  | 0.000249 |
| Naphthalene   | 0.00004  | 0.000033 | 0.000029 | 0.000027 | 0.000025 | 0.000026 | 0.000028 | 0.000031 |
| DieselPM      | 0.00129  | 0.001181 | 0.001118 | 0.001098 | 0.001118 | 0.001178 | 0.001242 | 0.001299 |

**CT-EMFAC Fleet Mix Emissions Factors****Years 2018 to 2047**

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2020

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.001335 | 0.00111  | 0.000968 | 0.000887 | 0.000855 | 0.000868 | 0.000931 | 0.001052 |
| Acrolein      | 0.000061 | 0.000051 | 0.000045 | 0.000041 | 0.00004  | 0.000041 | 0.000044 | 0.00005  |
| Acetaldehyde  | 0.000888 | 0.000717 | 0.000597 | 0.000518 | 0.000474 | 0.000464 | 0.000491 | 0.000552 |
| Formaldehyde  | 0.002211 | 0.001798 | 0.001515 | 0.001333 | 0.001236 | 0.001224 | 0.0013   | 0.001463 |
| Butadiene     | 0.000279 | 0.000233 | 0.000204 | 0.000188 | 0.000182 | 0.000186 | 0.0002   | 0.000226 |
| Naphthalene   | 0.000037 | 0.000031 | 0.000027 | 0.000024 | 0.000023 | 0.000024 | 0.000025 | 0.000029 |
| DieselPM      | 0.001058 | 0.000973 | 0.000923 | 0.000903 | 0.000912 | 0.000949 | 0.000996 | 0.001047 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2021

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.001233 | 0.001024 | 0.000893 | 0.000817 | 0.000787 | 0.000799 | 0.000857 | 0.000969 |
| Acrolein      | 0.000056 | 0.000047 | 0.000041 | 0.000038 | 0.000037 | 0.000038 | 0.000041 | 0.000046 |
| Acetaldehyde  | 0.000807 | 0.000649 | 0.000538 | 0.000465 | 0.000424 | 0.000415 | 0.000439 | 0.000494 |
| Formaldehyde  | 0.002019 | 0.001636 | 0.001374 | 0.001206 | 0.001116 | 0.001103 | 0.001171 | 0.001318 |
| Butadiene     | 0.000258 | 0.000215 | 0.000189 | 0.000174 | 0.000168 | 0.000172 | 0.000185 | 0.000209 |
| Naphthalene   | 0.000034 | 0.000028 | 0.000025 | 0.000022 | 0.000021 | 0.000022 | 0.000023 | 0.000026 |
| DieselPM      | 0.000821 | 0.000739 | 0.000682 | 0.000647 | 0.000631 | 0.000634 | 0.000658 | 0.000703 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2022

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.001141 | 0.000947 | 0.000824 | 0.000754 | 0.000725 | 0.000736 | 0.000788 | 0.000891 |
| Acrolein      | 0.000052 | 0.000043 | 0.000038 | 0.000035 | 0.000034 | 0.000035 | 0.000038 | 0.000043 |
| Acetaldehyde  | 0.000756 | 0.000606 | 0.000501 | 0.000432 | 0.000392 | 0.000382 | 0.000403 | 0.000452 |
| Formaldehyde  | 0.001885 | 0.001524 | 0.001277 | 0.001118 | 0.001031 | 0.001016 | 0.001076 | 0.001209 |
| Butadiene     | 0.000239 | 0.000199 | 0.000174 | 0.00016  | 0.000155 | 0.000158 | 0.00017  | 0.000192 |
| Naphthalene   | 0.000032 | 0.000026 | 0.000023 | 0.000021 | 0.00002  | 0.00002  | 0.000022 | 0.000024 |
| DieselPM      | 0.000759 | 0.000683 | 0.000629 | 0.000595 | 0.000577 | 0.000577 | 0.000597 | 0.000638 |

**CT-EMFAC Fleet Mix Emissions Factors****Years 2018 to 2047**

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2023

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.001062 | 0.000882 | 0.000768 | 0.000704 | 0.000678 | 0.00069  | 0.000739 | 0.000836 |
| Acrolein      | 0.000049 | 0.000041 | 0.000036 | 0.000033 | 0.000032 | 0.000033 | 0.000036 | 0.00004  |
| Acetaldehyde  | 0.000654 | 0.000527 | 0.000438 | 0.00038  | 0.000348 | 0.000342 | 0.000361 | 0.000406 |
| Formaldehyde  | 0.001659 | 0.001347 | 0.001135 | 0.000999 | 0.000928 | 0.00092  | 0.000977 | 0.001099 |
| Butadiene     | 0.000224 | 0.000187 | 0.000164 | 0.000151 | 0.000146 | 0.000149 | 0.00016  | 0.000181 |
| Naphthalene   | 0.000029 | 0.000024 | 0.000021 | 0.000019 | 0.000019 | 0.000019 | 0.00002  | 0.000023 |
| DieselPM      | 0.0006   | 0.000537 | 0.000493 | 0.000465 | 0.000452 | 0.000453 | 0.000471 | 0.000507 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2024

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.001007 | 0.000836 | 0.000728 | 0.000666 | 0.000642 | 0.000652 | 0.000699 | 0.00079  |
| Acrolein      | 0.000046 | 0.000039 | 0.000034 | 0.000032 | 0.000031 | 0.000031 | 0.000034 | 0.000038 |
| Acetaldehyde  | 0.000623 | 0.0005   | 0.000415 | 0.000359 | 0.000327 | 0.00032  | 0.000337 | 0.000377 |
| Formaldehyde  | 0.001578 | 0.001278 | 0.001074 | 0.000943 | 0.000873 | 0.000863 | 0.000914 | 0.001026 |
| Butadiene     | 0.000213 | 0.000177 | 0.000155 | 0.000143 | 0.000139 | 0.000141 | 0.000152 | 0.000172 |
| Naphthalene   | 0.000028 | 0.000023 | 0.00002  | 0.000018 | 0.000018 | 0.000018 | 0.000019 | 0.000022 |
| DieselPM      | 0.00056  | 0.000502 | 0.000461 | 0.000435 | 0.000421 | 0.00042  | 0.000435 | 0.000465 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2025

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000961 | 0.000797 | 0.000694 | 0.000635 | 0.000611 | 0.000621 | 0.000666 | 0.000753 |
| Acrolein      | 0.000044 | 0.000037 | 0.000033 | 0.00003  | 0.000029 | 0.00003  | 0.000032 | 0.000037 |
| Acetaldehyde  | 0.000594 | 0.000476 | 0.000394 | 0.000339 | 0.000308 | 0.0003   | 0.000315 | 0.000352 |
| Formaldehyde  | 0.001504 | 0.001216 | 0.001019 | 0.000893 | 0.000824 | 0.000812 | 0.000858 | 0.000962 |
| Butadiene     | 0.000204 | 0.00017  | 0.000148 | 0.000137 | 0.000132 | 0.000135 | 0.000145 | 0.000164 |
| Naphthalene   | 0.000027 | 0.000022 | 0.000019 | 0.000018 | 0.000017 | 0.000017 | 0.000018 | 0.000021 |
| DieselPM      | 0.000507 | 0.000455 | 0.000418 | 0.000394 | 0.000381 | 0.000379 | 0.000391 | 0.000418 |



**CT-EMFAC Fleet Mix Emissions Factors****Years 2018 to 2047**

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2026

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.00092  | 0.000763 | 0.000663 | 0.000607 | 0.000584 | 0.000593 | 0.000636 | 0.000719 |
| Acrolein      | 0.000042 | 0.000035 | 0.000031 | 0.000029 | 0.000028 | 0.000029 | 0.000031 | 0.000035 |
| Acetaldehyde  | 0.000567 | 0.000453 | 0.000374 | 0.000321 | 0.00029  | 0.000281 | 0.000295 | 0.000328 |
| Formaldehyde  | 0.001437 | 0.001159 | 0.00097  | 0.000848 | 0.000779 | 0.000766 | 0.000807 | 0.000903 |
| Butadiene     | 0.000195 | 0.000162 | 0.000142 | 0.000131 | 0.000127 | 0.000129 | 0.000139 | 0.000157 |
| Naphthalene   | 0.000026 | 0.000022 | 0.000019 | 0.000017 | 0.000016 | 0.000016 | 0.000018 | 0.00002  |
| DieselPM      | 0.000457 | 0.000411 | 0.000378 | 0.000356 | 0.000344 | 0.000341 | 0.000351 | 0.000373 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2027

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000886 | 0.000734 | 0.000639 | 0.000584 | 0.000562 | 0.00057  | 0.000612 | 0.000692 |
| Acrolein      | 0.000041 | 0.000034 | 0.00003  | 0.000028 | 0.000027 | 0.000028 | 0.00003  | 0.000034 |
| Acetaldehyde  | 0.000545 | 0.000435 | 0.000358 | 0.000306 | 0.000276 | 0.000266 | 0.000277 | 0.000308 |
| Formaldehyde  | 0.00138  | 0.001112 | 0.000929 | 0.00081  | 0.000742 | 0.000727 | 0.000765 | 0.000854 |
| Butadiene     | 0.000188 | 0.000157 | 0.000137 | 0.000126 | 0.000122 | 0.000125 | 0.000134 | 0.000152 |
| Naphthalene   | 0.000025 | 0.000021 | 0.000018 | 0.000016 | 0.000016 | 0.000016 | 0.000017 | 0.000019 |
| DieselPM      | 0.000428 | 0.000385 | 0.000354 | 0.000333 | 0.000321 | 0.000317 | 0.000325 | 0.000344 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2028

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000856 | 0.000709 | 0.000617 | 0.000564 | 0.000542 | 0.000551 | 0.000591 | 0.000668 |
| Acrolein      | 0.00004  | 0.000033 | 0.000029 | 0.000027 | 0.000026 | 0.000027 | 0.000029 | 0.000033 |
| Acetaldehyde  | 0.000525 | 0.000418 | 0.000344 | 0.000294 | 0.000263 | 0.000253 | 0.000263 | 0.000291 |
| Formaldehyde  | 0.001331 | 0.001071 | 0.000893 | 0.000777 | 0.000711 | 0.000694 | 0.000729 | 0.000812 |
| Butadiene     | 0.000182 | 0.000152 | 0.000133 | 0.000122 | 0.000118 | 0.000121 | 0.00013  | 0.000147 |
| Naphthalene   | 0.000024 | 0.00002  | 0.000017 | 0.000016 | 0.000015 | 0.000015 | 0.000017 | 0.000019 |
| DieselPM      | 0.000395 | 0.000356 | 0.000328 | 0.000308 | 0.000296 | 0.000291 | 0.000297 | 0.000313 |

**CT-EMFAC Fleet Mix Emissions Factors****Years 2018 to 2047**

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2029

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000828 | 0.000686 | 0.000596 | 0.000545 | 0.000524 | 0.000532 | 0.000572 | 0.000646 |
| Acrolein      | 0.000038 | 0.000032 | 0.000028 | 0.000026 | 0.000025 | 0.000026 | 0.000028 | 0.000032 |
| Acetaldehyde  | 0.000507 | 0.000403 | 0.00033  | 0.000281 | 0.000251 | 0.00024  | 0.000249 | 0.000275 |
| Formaldehyde  | 0.001284 | 0.001031 | 0.000858 | 0.000746 | 0.00068  | 0.000663 | 0.000694 | 0.000772 |
| Butadiene     | 0.000177 | 0.000147 | 0.000128 | 0.000118 | 0.000114 | 0.000117 | 0.000126 | 0.000143 |
| Naphthalene   | 0.000024 | 0.00002  | 0.000017 | 0.000015 | 0.000015 | 0.000015 | 0.000016 | 0.000018 |
| DieselPM      | 0.000354 | 0.000319 | 0.000294 | 0.000276 | 0.000265 | 0.00026  | 0.000264 | 0.000277 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2030

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000804 | 0.000666 | 0.000578 | 0.000528 | 0.000508 | 0.000516 | 0.000555 | 0.000627 |
| Acrolein      | 0.000037 | 0.000031 | 0.000027 | 0.000025 | 0.000025 | 0.000025 | 0.000027 | 0.000031 |
| Acetaldehyde  | 0.000492 | 0.00039  | 0.000319 | 0.000271 | 0.000241 | 0.00023  | 0.000238 | 0.000262 |
| Formaldehyde  | 0.001245 | 0.000999 | 0.00083  | 0.00072  | 0.000655 | 0.000637 | 0.000667 | 0.000741 |
| Butadiene     | 0.000171 | 0.000143 | 0.000125 | 0.000115 | 0.000111 | 0.000114 | 0.000123 | 0.000139 |
| Naphthalene   | 0.000023 | 0.000019 | 0.000017 | 0.000015 | 0.000014 | 0.000015 | 0.000016 | 0.000018 |
| DieselPM      | 0.000336 | 0.000304 | 0.00028  | 0.000262 | 0.000251 | 0.000245 | 0.000248 | 0.000259 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2031

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000782 | 0.000647 | 0.000563 | 0.000514 | 0.000494 | 0.000502 | 0.00054  | 0.000611 |
| Acrolein      | 0.000036 | 0.00003  | 0.000027 | 0.000025 | 0.000024 | 0.000025 | 0.000027 | 0.00003  |
| Acetaldehyde  | 0.000479 | 0.000379 | 0.00031  | 0.000263 | 0.000233 | 0.000222 | 0.000229 | 0.000252 |
| Formaldehyde  | 0.001213 | 0.000971 | 0.000806 | 0.000698 | 0.000634 | 0.000616 | 0.000644 | 0.000715 |
| Butadiene     | 0.000167 | 0.000139 | 0.000122 | 0.000112 | 0.000108 | 0.000111 | 0.00012  | 0.000136 |
| Naphthalene   | 0.000023 | 0.000019 | 0.000016 | 0.000015 | 0.000014 | 0.000014 | 0.000015 | 0.000017 |
| DieselPM      | 0.000322 | 0.000291 | 0.000268 | 0.000251 | 0.00024  | 0.000233 | 0.000236 | 0.000245 |

**CT-EMFAC Fleet Mix Emissions Factors****Years 2018 to 2047**

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2032

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000763 | 0.000632 | 0.000549 | 0.000501 | 0.000482 | 0.00049  | 0.000527 | 0.000596 |
| Acrolein      | 0.000035 | 0.00003  | 0.000026 | 0.000024 | 0.000023 | 0.000024 | 0.000026 | 0.00003  |
| Acetaldehyde  | 0.000468 | 0.00037  | 0.000302 | 0.000255 | 0.000226 | 0.000215 | 0.000221 | 0.000243 |
| Formaldehyde  | 0.001184 | 0.000947 | 0.000785 | 0.000679 | 0.000616 | 0.000597 | 0.000623 | 0.000691 |
| Butadiene     | 0.000163 | 0.000136 | 0.000119 | 0.000109 | 0.000106 | 0.000108 | 0.000117 | 0.000133 |
| Naphthalene   | 0.000022 | 0.000018 | 0.000016 | 0.000014 | 0.000014 | 0.000014 | 0.000015 | 0.000017 |
| DieselPM      | 0.000306 | 0.000277 | 0.000255 | 0.000239 | 0.000228 | 0.000221 | 0.000222 | 0.000231 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2033

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000746 | 0.000618 | 0.000537 | 0.00049  | 0.000471 | 0.000479 | 0.000516 | 0.000584 |
| Acrolein      | 0.000035 | 0.000029 | 0.000025 | 0.000024 | 0.000023 | 0.000024 | 0.000026 | 0.000029 |
| Acetaldehyde  | 0.000457 | 0.000361 | 0.000294 | 0.000248 | 0.000219 | 0.000208 | 0.000213 | 0.000234 |
| Formaldehyde  | 0.001156 | 0.000923 | 0.000765 | 0.00066  | 0.000598 | 0.000579 | 0.000604 | 0.000669 |
| Butadiene     | 0.00016  | 0.000133 | 0.000116 | 0.000107 | 0.000104 | 0.000106 | 0.000115 | 0.00013  |
| Naphthalene   | 0.000022 | 0.000018 | 0.000016 | 0.000014 | 0.000014 | 0.000014 | 0.000015 | 0.000017 |
| DieselPM      | 0.000285 | 0.000258 | 0.000237 | 0.000222 | 0.000211 | 0.000205 | 0.000206 | 0.000213 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2034

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000731 | 0.000605 | 0.000525 | 0.00048  | 0.000461 | 0.000469 | 0.000505 | 0.000572 |
| Acrolein      | 0.000034 | 0.000028 | 0.000025 | 0.000023 | 0.000022 | 0.000023 | 0.000025 | 0.000028 |
| Acetaldehyde  | 0.000448 | 0.000354 | 0.000288 | 0.000243 | 0.000214 | 0.000202 | 0.000207 | 0.000227 |
| Formaldehyde  | 0.001133 | 0.000905 | 0.000749 | 0.000646 | 0.000584 | 0.000565 | 0.000588 | 0.000651 |
| Butadiene     | 0.000157 | 0.00013  | 0.000114 | 0.000105 | 0.000102 | 0.000104 | 0.000112 | 0.000128 |
| Naphthalene   | 0.000021 | 0.000018 | 0.000015 | 0.000014 | 0.000013 | 0.000013 | 0.000014 | 0.000016 |
| DieselPM      | 0.000268 | 0.000243 | 0.000224 | 0.000209 | 0.000199 | 0.000192 | 0.000193 | 0.000199 |

**CT-EMFAC Fleet Mix Emissions Factors****Years 2018 to 2047**

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2035

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000718 | 0.000594 | 0.000516 | 0.000471 | 0.000453 | 0.000461 | 0.000497 | 0.000563 |
| Acrolein      | 0.000033 | 0.000028 | 0.000025 | 0.000023 | 0.000022 | 0.000023 | 0.000025 | 0.000028 |
| Acetaldehyde  | 0.000442 | 0.000348 | 0.000283 | 0.000238 | 0.00021  | 0.000198 | 0.000203 | 0.000222 |
| Formaldehyde  | 0.001116 | 0.00089  | 0.000736 | 0.000634 | 0.000573 | 0.000553 | 0.000576 | 0.000637 |
| Butadiene     | 0.000154 | 0.000128 | 0.000112 | 0.000103 | 0.0001   | 0.000102 | 0.000111 | 0.000126 |
| Naphthalene   | 0.000021 | 0.000018 | 0.000015 | 0.000014 | 0.000013 | 0.000013 | 0.000014 | 0.000016 |
| DieselPM      | 0.000257 | 0.000233 | 0.000215 | 0.000201 | 0.00019  | 0.000184 | 0.000184 | 0.00019  |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2036

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000707 | 0.000585 | 0.000508 | 0.000464 | 0.000446 | 0.000454 | 0.000489 | 0.000554 |
| Acrolein      | 0.000033 | 0.000027 | 0.000024 | 0.000022 | 0.000022 | 0.000022 | 0.000024 | 0.000028 |
| Acetaldehyde  | 0.000437 | 0.000344 | 0.000279 | 0.000235 | 0.000207 | 0.000195 | 0.000199 | 0.000218 |
| Formaldehyde  | 0.001102 | 0.000878 | 0.000726 | 0.000625 | 0.000564 | 0.000544 | 0.000566 | 0.000626 |
| Butadiene     | 0.000152 | 0.000126 | 0.00011  | 0.000102 | 0.000098 | 0.000101 | 0.000109 | 0.000124 |
| Naphthalene   | 0.000021 | 0.000017 | 0.000015 | 0.000014 | 0.000013 | 0.000013 | 0.000014 | 0.000016 |
| DieselPM      | 0.00025  | 0.000227 | 0.000209 | 0.000195 | 0.000185 | 0.000178 | 0.000177 | 0.000182 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2037

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000697 | 0.000577 | 0.000501 | 0.000458 | 0.00044  | 0.000448 | 0.000483 | 0.000547 |
| Acrolein      | 0.000032 | 0.000027 | 0.000024 | 0.000022 | 0.000021 | 0.000022 | 0.000024 | 0.000027 |
| Acetaldehyde  | 0.000431 | 0.000339 | 0.000275 | 0.000231 | 0.000203 | 0.000191 | 0.000195 | 0.000213 |
| Formaldehyde  | 0.001087 | 0.000866 | 0.000715 | 0.000615 | 0.000554 | 0.000535 | 0.000555 | 0.000614 |
| Butadiene     | 0.00015  | 0.000125 | 0.000109 | 0.0001   | 0.000097 | 0.0001   | 0.000108 | 0.000123 |
| Naphthalene   | 0.000021 | 0.000017 | 0.000015 | 0.000013 | 0.000013 | 0.000013 | 0.000014 | 0.000016 |
| DieselPM      | 0.00024  | 0.000218 | 0.000202 | 0.000188 | 0.000178 | 0.00017  | 0.000169 | 0.000173 |



**CT-EMFAC Fleet Mix Emissions Factors****Years 2018 to 2047**

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2038

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000689 | 0.000571 | 0.000495 | 0.000452 | 0.000435 | 0.000443 | 0.000477 | 0.000541 |
| Acrolein      | 0.000032 | 0.000027 | 0.000024 | 0.000022 | 0.000021 | 0.000022 | 0.000024 | 0.000027 |
| Acetaldehyde  | 0.000427 | 0.000336 | 0.000273 | 0.000229 | 0.000201 | 0.000188 | 0.000192 | 0.000209 |
| Formaldehyde  | 0.001076 | 0.000857 | 0.000707 | 0.000608 | 0.000548 | 0.000527 | 0.000548 | 0.000605 |
| Butadiene     | 0.000148 | 0.000123 | 0.000108 | 0.000099 | 0.000096 | 0.000099 | 0.000107 | 0.000121 |
| Naphthalene   | 0.000021 | 0.000017 | 0.000015 | 0.000013 | 0.000013 | 0.000013 | 0.000014 | 0.000016 |
| DieselPM      | 0.000236 | 0.000214 | 0.000198 | 0.000185 | 0.000175 | 0.000167 | 0.000165 | 0.000168 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2039

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000683 | 0.000565 | 0.000491 | 0.000448 | 0.000431 | 0.000439 | 0.000473 | 0.000536 |
| Acrolein      | 0.000032 | 0.000027 | 0.000023 | 0.000022 | 0.000021 | 0.000022 | 0.000024 | 0.000027 |
| Acetaldehyde  | 0.000425 | 0.000334 | 0.00027  | 0.000227 | 0.000199 | 0.000186 | 0.00019  | 0.000207 |
| Formaldehyde  | 0.001068 | 0.000851 | 0.000702 | 0.000603 | 0.000542 | 0.000522 | 0.000542 | 0.000598 |
| Butadiene     | 0.000147 | 0.000122 | 0.000107 | 0.000098 | 0.000095 | 0.000098 | 0.000106 | 0.00012  |
| Naphthalene   | 0.00002  | 0.000017 | 0.000015 | 0.000013 | 0.000013 | 0.000013 | 0.000014 | 0.000016 |
| DieselPM      | 0.000232 | 0.000211 | 0.000194 | 0.000182 | 0.000171 | 0.000164 | 0.000162 | 0.000165 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2040

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000678 | 0.000561 | 0.000487 | 0.000445 | 0.000428 | 0.000435 | 0.000469 | 0.000532 |
| Acrolein      | 0.000031 | 0.000026 | 0.000023 | 0.000021 | 0.000021 | 0.000022 | 0.000023 | 0.000027 |
| Acetaldehyde  | 0.000422 | 0.000331 | 0.000268 | 0.000225 | 0.000197 | 0.000184 | 0.000187 | 0.000204 |
| Formaldehyde  | 0.00106  | 0.000844 | 0.000696 | 0.000597 | 0.000537 | 0.000516 | 0.000535 | 0.00059  |
| Butadiene     | 0.000146 | 0.000121 | 0.000106 | 0.000098 | 0.000095 | 0.000097 | 0.000105 | 0.00012  |
| Naphthalene   | 0.00002  | 0.000017 | 0.000014 | 0.000013 | 0.000013 | 0.000013 | 0.000014 | 0.000015 |
| DieselPM      | 0.000228 | 0.000207 | 0.000191 | 0.000179 | 0.000168 | 0.000161 | 0.000158 | 0.000161 |

**CT-EMFAC Fleet Mix Emissions Factors****Years 2018 to 2047**

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2041

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000674 | 0.000558 | 0.000484 | 0.000442 | 0.000425 | 0.000433 | 0.000466 | 0.000529 |
| Acrolein      | 0.000031 | 0.000026 | 0.000023 | 0.000021 | 0.000021 | 0.000021 | 0.000023 | 0.000027 |
| Acetaldehyde  | 0.000419 | 0.000329 | 0.000267 | 0.000223 | 0.000195 | 0.000182 | 0.000185 | 0.000201 |
| Formaldehyde  | 0.001054 | 0.000839 | 0.000691 | 0.000593 | 0.000533 | 0.000512 | 0.00053  | 0.000585 |
| Butadiene     | 0.000145 | 0.000121 | 0.000105 | 0.000097 | 0.000094 | 0.000097 | 0.000105 | 0.000119 |
| Naphthalene   | 0.00002  | 0.000017 | 0.000014 | 0.000013 | 0.000012 | 0.000013 | 0.000014 | 0.000015 |
| DieselPM      | 0.000224 | 0.000204 | 0.000189 | 0.000176 | 0.000166 | 0.000158 | 0.000156 | 0.000158 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2042

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.00067  | 0.000554 | 0.000481 | 0.000439 | 0.000423 | 0.00043  | 0.000464 | 0.000526 |
| Acrolein      | 0.000031 | 0.000026 | 0.000023 | 0.000021 | 0.000021 | 0.000021 | 0.000023 | 0.000026 |
| Acetaldehyde  | 0.000416 | 0.000327 | 0.000264 | 0.000221 | 0.000193 | 0.00018  | 0.000183 | 0.000198 |
| Formaldehyde  | 0.001047 | 0.000833 | 0.000686 | 0.000589 | 0.000528 | 0.000507 | 0.000525 | 0.000578 |
| Butadiene     | 0.000144 | 0.00012  | 0.000105 | 0.000097 | 0.000094 | 0.000096 | 0.000104 | 0.000118 |
| Naphthalene   | 0.00002  | 0.000017 | 0.000014 | 0.000013 | 0.000012 | 0.000013 | 0.000014 | 0.000015 |
| DieselPM      | 0.00022  | 0.000201 | 0.000186 | 0.000173 | 0.000163 | 0.000155 | 0.000152 | 0.000154 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2043

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000667 | 0.000552 | 0.000479 | 0.000438 | 0.000421 | 0.000428 | 0.000462 | 0.000523 |
| Acrolein      | 0.000031 | 0.000026 | 0.000023 | 0.000021 | 0.000021 | 0.000021 | 0.000023 | 0.000026 |
| Acetaldehyde  | 0.000414 | 0.000325 | 0.000263 | 0.00022  | 0.000192 | 0.000179 | 0.000181 | 0.000196 |
| Formaldehyde  | 0.001042 | 0.000829 | 0.000683 | 0.000585 | 0.000525 | 0.000503 | 0.000521 | 0.000573 |
| Butadiene     | 0.000143 | 0.000119 | 0.000105 | 0.000096 | 0.000093 | 0.000096 | 0.000104 | 0.000118 |
| Naphthalene   | 0.00002  | 0.000017 | 0.000014 | 0.000013 | 0.000012 | 0.000013 | 0.000014 | 0.000015 |
| DieselPM      | 0.000218 | 0.000199 | 0.000184 | 0.000171 | 0.000161 | 0.000153 | 0.00015  | 0.000151 |

**CT-EMFAC Fleet Mix Emissions Factors****Years 2018 to 2047**

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2044

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000664 | 0.00055  | 0.000477 | 0.000436 | 0.000419 | 0.000426 | 0.000459 | 0.000521 |
| Acrolein      | 0.000031 | 0.000026 | 0.000023 | 0.000021 | 0.000021 | 0.000021 | 0.000023 | 0.000026 |
| Acetaldehyde  | 0.000411 | 0.000323 | 0.000261 | 0.000218 | 0.00019  | 0.000177 | 0.000178 | 0.000193 |
| Formaldehyde  | 0.001034 | 0.000823 | 0.000678 | 0.000581 | 0.00052  | 0.000498 | 0.000514 | 0.000565 |
| Butadiene     | 0.000143 | 0.000119 | 0.000104 | 0.000096 | 0.000093 | 0.000095 | 0.000103 | 0.000117 |
| Naphthalene   | 0.00002  | 0.000017 | 0.000014 | 0.000013 | 0.000012 | 0.000012 | 0.000013 | 0.000015 |
| DieselPM      | 0.000216 | 0.000197 | 0.000182 | 0.00017  | 0.00016  | 0.000152 | 0.000148 | 0.000149 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2045

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000661 | 0.000547 | 0.000475 | 0.000434 | 0.000417 | 0.000425 | 0.000458 | 0.000519 |
| Acrolein      | 0.000031 | 0.000026 | 0.000023 | 0.000021 | 0.00002  | 0.000021 | 0.000023 | 0.000026 |
| Acetaldehyde  | 0.000408 | 0.00032  | 0.000259 | 0.000216 | 0.000188 | 0.000175 | 0.000176 | 0.00019  |
| Formaldehyde  | 0.001028 | 0.000818 | 0.000673 | 0.000577 | 0.000516 | 0.000494 | 0.000509 | 0.000558 |
| Butadiene     | 0.000142 | 0.000119 | 0.000104 | 0.000096 | 0.000093 | 0.000095 | 0.000103 | 0.000117 |
| Naphthalene   | 0.00002  | 0.000016 | 0.000014 | 0.000013 | 0.000012 | 0.000012 | 0.000013 | 0.000015 |
| DieselPM      | 0.000214 | 0.000196 | 0.000181 | 0.000169 | 0.000159 | 0.000151 | 0.000147 | 0.000148 |

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2046

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000658 | 0.000545 | 0.000473 | 0.000432 | 0.000415 | 0.000423 | 0.000455 | 0.000516 |
| Acrolein      | 0.000031 | 0.000026 | 0.000023 | 0.000021 | 0.00002  | 0.000021 | 0.000023 | 0.000026 |
| Acetaldehyde  | 0.000403 | 0.000316 | 0.000255 | 0.000213 | 0.000185 | 0.000171 | 0.000171 | 0.000184 |
| Formaldehyde  | 0.001016 | 0.000808 | 0.000665 | 0.00057  | 0.000509 | 0.000486 | 0.000499 | 0.000546 |
| Butadiene     | 0.000142 | 0.000118 | 0.000103 | 0.000095 | 0.000092 | 0.000095 | 0.000103 | 0.000117 |
| Naphthalene   | 0.00002  | 0.000016 | 0.000014 | 0.000013 | 0.000012 | 0.000012 | 0.000013 | 0.000015 |
| DieselPM      | 0.000213 | 0.000194 | 0.00018  | 0.000168 | 0.000158 | 0.000149 | 0.000146 | 0.000146 |

**CT-EMFAC Fleet Mix Emissions Factors****Years 2018 to 2047**

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

2047

| PollutantName | 30 mph   | 35 mph   | 40 mph   | 45 mph   | 50 mph   | 55 mph   | 60 mph   | 65 mph   |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Benzene       | 0.000656 | 0.000543 | 0.000472 | 0.000431 | 0.000414 | 0.000421 | 0.000454 | 0.000514 |
| Acrolein      | 0.000031 | 0.000026 | 0.000023 | 0.000021 | 0.00002  | 0.000021 | 0.000023 | 0.000026 |
| Acetaldehyde  | 0.000401 | 0.000315 | 0.000254 | 0.000212 | 0.000184 | 0.00017  | 0.00017  | 0.000182 |
| Formaldehyde  | 0.001013 | 0.000805 | 0.000663 | 0.000567 | 0.000507 | 0.000483 | 0.000496 | 0.000543 |
| Butadiene     | 0.000142 | 0.000118 | 0.000103 | 0.000095 | 0.000092 | 0.000094 | 0.000102 | 0.000116 |
| Naphthalene   | 0.00002  | 0.000016 | 0.000014 | 0.000013 | 0.000012 | 0.000012 | 0.000013 | 0.000015 |
| DieselPM      | 0.000212 | 0.000194 | 0.000179 | 0.000167 | 0.000157 | 0.000148 | 0.000145 | 0.000145 |



## Emission Rate Calculations

- MSAT Emission Rate Worksheet

### MSAT Emission Rate Worksheet

| Mainline AADT @ 60 MPH | Distance (mi) | Emission Rate (g/s) | Magnolia Ramp AADT @ 30 MPH | Distance (mi) | Emission Rate (g/s) |
|------------------------|---------------|---------------------|-----------------------------|---------------|---------------------|
| 198000                 | 0.5           | 6.885E-04           | 7370                        | 0.17          | 1.256E-05           |
| 198000                 | 0.5           | 3.365E-05           | 7370                        | 0.17          | 5.781E-07           |
| 198000                 | 0.5           | 3.099E-04           | 7370                        | 0.17          | 7.877E-06           |
| 198000                 | 0.5           | 8.559E-04           | 7370                        | 0.17          | 1.984E-05           |
| 198000                 | 0.5           | 1.515E-04           | 7370                        | 0.17          | 2.671E-06           |
| 198000                 | 0.5           | 1.940E-05           | 7370                        | 0.17          | 3.606E-07           |
| 198000                 | 0.5           | 4.045E-04           | 7370                        | 0.17          | 6.353E-06           |

| Burbank Ramp AADT @ 30 MPH | Distance (mi) | Emission Rate (g/s) |
|----------------------------|---------------|---------------------|
| 6410                       | 0.17          | 1.09226E-05         |
| 6410                       | 0.17          | 5.02809E-07         |
| 6410                       | 0.17          | 6.85098E-06         |
| 6410                       | 0.17          | 1.72544E-05         |
| 6410                       | 0.17          | 2.32318E-06         |
| 6410                       | 0.17          | 3.13625E-07         |
| 6410                       | 0.17          | 5.52543E-06         |

## AERMOD Input Files

- Meteorology Pathway Input Summary
- Receptor Pathway Input Summary
- Diesel Particulate Matter
  - Control Pathway Input Summary
  - Source Pathway Input Summary
- Acetaldehyde
  - Control Pathway Input Summary
  - Source Pathway Input Summary
- Acrolein
  - Control Pathway Input Summary
  - Source Pathway Input Summary
- Benzene
  - Control Pathway Input Summary
  - Source Pathway Input Summary
- 1,3-Butadiene
  - Control Pathway Input Summary
  - Source Pathway Input Summary
- Formaldehyde
  - Control Pathway Input Summary
  - Source Pathway Input Summary
- Naphthalene
  - Control Pathway Input Summary
  - Source Pathway Input Summary

# Meteorology Pathway

AERMOD

## Met Input Data

### Surface Met Data

Filename: ..\..\Resources & References\SCAQMD\met data\burk8.sfc  
Format Type: Default AERMET format

### Profile Met Data

Filename: ..\..\Resources & References\SCAQMD\met data\burk8.PFL  
Format Type: Default AERMET format

### Wind Speed



Wind Speeds are Vector Mean (Not Scalar Means)

### Wind Direction

Rotation Adjustment [deg]:

### Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 175.00 [m]

### Meteorological Station Data

| Stations             | Station No. | Year         | X Coordinate [m] | Y Coordinate [m] | Station Name |
|----------------------|-------------|--------------|------------------|------------------|--------------|
| Surface<br>Upper Air |             | 2008<br>2008 |                  |                  |              |

## Data Period

### Data Period to Process

Start Date: 1/1/2008 Start Hour: 1 End Date: 12/31/2012 End Hour: 24

## Wind Speed Categories

| Stability Category | Wind Speed [m/s] | Stability Category | Wind Speed [m/s] |
|--------------------|------------------|--------------------|------------------|
| A                  | 1.54             | D                  | 8.23             |
| B                  | 3.09             | E                  | 10.8             |
| C                  | 5.14             | F                  | No Upper Bound   |



# Receptor Pathway

AERMOD

## Receptor Networks

Note: Terrain Elevations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)  
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

## Discrete Receptors

## Plant Boundary Receptors

### Cartesian Plant Boundary

#### Primary

| Record Number | X-Coordinate [m] | Y-Coordinate [m] | Group Name (Optional) | Terrain Elevations | Flagpole Heights [m] (Optional) |
|---------------|------------------|------------------|-----------------------|--------------------|---------------------------------|
| 1             | 372504.00        | 3781772.00       | FENCEPRI              | 195.75             | 10.00                           |
| 2             | 372563.00        | 3781772.00       | FENCEPRI              | 195.66             | 10.00                           |
| 3             | 372563.00        | 3781731.00       | FENCEPRI              | 194.77             | 10.00                           |
| 4             | 372504.00        | 3781731.00       | FENCEPRI              | 193.44             | 10.00                           |

#### Intermediate

| Record Number | X-Coordinate [m] | Y-Coordinate [m] | Group Name (Optional) | Terrain Elevations | Flagpole Heights [m] (Optional) |
|---------------|------------------|------------------|-----------------------|--------------------|---------------------------------|
| 1             | 372508.92        | 3781772.00       | FENCEINT              | 195.74             |                                 |
| 2             | 372513.83        | 3781772.00       | FENCEINT              | 195.73             |                                 |
| 3             | 372518.75        | 3781772.00       | FENCEINT              | 195.70             |                                 |
| 4             | 372523.67        | 3781772.00       | FENCEINT              | 195.67             |                                 |
| 5             | 372528.58        | 3781772.00       | FENCEINT              | 195.65             |                                 |
| 6             | 372533.50        | 3781772.00       | FENCEINT              | 195.64             |                                 |
| 7             | 372538.42        | 3781772.00       | FENCEINT              | 195.64             |                                 |
| 8             | 372543.33        | 3781772.00       | FENCEINT              | 195.64             |                                 |
| 9             | 372548.25        | 3781772.00       | FENCEINT              | 195.64             |                                 |
| 10            | 372553.17        | 3781772.00       | FENCEINT              | 195.64             |                                 |
| 11            | 372558.08        | 3781772.00       | FENCEINT              | 195.64             |                                 |
| 12            | 372563.00        | 3781767.44       | FENCEINT              | 195.55             |                                 |
| 13            | 372563.00        | 3781762.89       | FENCEINT              | 195.44             |                                 |
| 14            | 372563.00        | 3781758.33       | FENCEINT              | 195.36             |                                 |
| 15            | 372563.00        | 3781753.78       | FENCEINT              | 195.28             |                                 |
| 16            | 372563.00        | 3781749.22       | FENCEINT              | 195.20             |                                 |
| 17            | 372563.00        | 3781744.67       | FENCEINT              | 195.11             |                                 |
| 18            | 372563.00        | 3781740.11       | FENCEINT              | 195.02             |                                 |
| 19            | 372563.00        | 3781735.56       | FENCEINT              | 194.89             |                                 |
| 20            | 372558.08        | 3781731.00       | FENCEINT              | 194.70             |                                 |
| 21            | 372553.17        | 3781731.00       | FENCEINT              | 194.61             |                                 |
| 22            | 372548.25        | 3781731.00       | FENCEINT              | 194.51             |                                 |

# Receptor Pathway

AERMOD

|    |           |            |          |        |  |
|----|-----------|------------|----------|--------|--|
| 23 | 372543.33 | 3781731.00 | FENCEINT | 194.46 |  |
| 24 | 372538.42 | 3781731.00 | FENCEINT | 194.40 |  |
| 25 | 372533.50 | 3781731.00 | FENCEINT | 194.33 |  |
| 26 | 372528.58 | 3781731.00 | FENCEINT | 194.25 |  |
| 27 | 372523.67 | 3781731.00 | FENCEINT | 194.14 |  |
| 28 | 372518.75 | 3781731.00 | FENCEINT | 194.01 |  |
| 29 | 372513.83 | 3781731.00 | FENCEINT | 193.88 |  |
| 30 | 372508.92 | 3781731.00 | FENCEINT | 193.67 |  |
| 31 | 372504.00 | 3781735.56 | FENCEINT | 193.73 |  |
| 32 | 372504.00 | 3781740.11 | FENCEINT | 194.03 |  |
| 33 | 372504.00 | 3781744.67 | FENCEINT | 194.33 |  |
| 34 | 372504.00 | 3781749.22 | FENCEINT | 194.64 |  |
| 35 | 372504.00 | 3781753.78 | FENCEINT | 194.92 |  |
| 36 | 372504.00 | 3781758.33 | FENCEINT | 195.18 |  |
| 37 | 372504.00 | 3781762.89 | FENCEINT | 195.42 |  |
| 38 | 372504.00 | 3781767.44 | FENCEINT | 195.59 |  |

## Receptor Groups

| Record Number | Group ID | Group Description                               |
|---------------|----------|-------------------------------------------------|
| 1             | FENCEPRI | Cartesian plant boundary Primary Receptors      |
| 2             | FENCEINT | Cartesian plant boundary Intermediate Receptors |

# Control Pathway

AERMOD

## Dispersion Options

|                                                                                                                                  |                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Titles</b><br>C:\~Local TAHA Files\2017-014 Chandler Blvd HRA\11525 Chandler Blvd                                             |                                                                                                                                                                                                                        |
| <b>Dispersion Options</b><br><input checked="" type="checkbox"/> Regulatory Default <input type="checkbox"/> Non-Default Options | <b>Dispersion Coefficient</b><br>Urban      Population:<br>Name (Optional):<br>Roughness Length:                                                                                                                       |
|                                                                                                                                  | <b>Output Type</b><br><input checked="" type="checkbox"/> Concentration<br><input type="checkbox"/> Total Deposition (Dry & Wet)<br><input type="checkbox"/> Dry Deposition<br><input type="checkbox"/> Wet Deposition |
|                                                                                                                                  | <b>Plume Depletion</b><br><input type="checkbox"/> Dry Removal<br><input type="checkbox"/> Wet Removal                                                                                                                 |
|                                                                                                                                  | <b>Output Warnings</b><br><input type="checkbox"/> No Output Warnings<br><input type="checkbox"/> Non-fatal Warnings for Non-sequential Met Data                                                                       |

## Pollutant / Averaging Time / Terrain Options

|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pollutant Type</b><br>OTHER - DPM<br><br><b>Averaging Time Options</b><br>Hours <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input type="checkbox"/> 24<br><input type="checkbox"/> Month <input checked="" type="checkbox"/> Period <input type="checkbox"/> Annual | <b>Exponential Decay</b><br><del>Half-life of 4 hrs will be used</del><br><br><b>Terrain Height Options</b><br><input type="checkbox"/> Flat <input checked="" type="checkbox"/> Elevated      SO: Meters<br>RE: Meters<br>TG: Meters |
| <b>Flagpole Receptors</b><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Default Height = 10.00 m                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                       |

## Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

### Detailed Error Listing File

Filename: 11525 Chandler Blvd HRA.err

# Source Pathway - Source Inputs

AERMOD



# Source Pathway - Source Inputs

AERMOD

## Line Volume Sources

Source Type: LINE VOLUME

Source: BURBRAMP (NB 170 Burbank Ave Off-Ramp)

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 5.00                  | 5.53E-6                 | Surface-Based          | 372204.38                      | 3782064.52                     | 201.10                | 1.00                  |
|                       |                         |                        | 372203.83                      | 3782047.38                     | 201.70                | 1.00                  |
|                       |                         |                        | 372204.20                      | 3782035.83                     | 201.94                | 1.00                  |
|                       |                         |                        | 372205.10                      | 3782027.53                     | 201.96                | 1.00                  |
|                       |                         |                        | 372207.62                      | 3782015.26                     | 201.95                | 1.00                  |
|                       |                         |                        | 372211.05                      | 3782004.97                     | 201.91                | 1.00                  |
|                       |                         |                        | 372213.94                      | 3781996.67                     | 202.05                | 1.00                  |
|                       |                         |                        | 372219.71                      | 3781986.38                     | 202.11                | 1.00                  |
|                       |                         |                        | 372225.67                      | 3781976.46                     | 202.18                | 1.00                  |
|                       |                         |                        | 372233.61                      | 3781964.55                     | 202.25                | 1.00                  |
|                       |                         |                        | 372242.90                      | 3781952.19                     | 202.32                | 1.00                  |
|                       |                         |                        | 372251.64                      | 3781940.72                     | 202.40                | 1.00                  |
|                       |                         |                        | 372259.21                      | 3781929.75                     | 202.23                | 1.00                  |
|                       |                         |                        | 372266.84                      | 3781919.57                     | 202.32                | 1.00                  |
|                       |                         |                        | 372287.44                      | 3781893.53                     | 202.20                | 1.00                  |
|                       |                         |                        | 372308.50                      | 3781865.68                     | 202.18                | 1.00                  |
|                       |                         |                        | 372335.39                      | 3781828.86                     | 202.35                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

**Source Type:** LINE VOLUME

**Source:** MAGRAMP (Magnolia Blvd NB 170 On-Ramp)

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 5.00                  | 6.35E-6                 | Surface-Based          | 372592.47                      | 3781327.07                     | 193.77                | 1.00                  |
|                       |                         |                        | 372585.48                      | 3781343.55                     | 194.10                | 1.00                  |
|                       |                         |                        | 372575.74                      | 3781363.03                     | 193.99                | 1.00                  |
|                       |                         |                        | 372548.77                      | 3781417.71                     | 196.49                | 1.00                  |
|                       |                         |                        | 372534.64                      | 3781445.99                     | 198.83                | 1.00                  |
|                       |                         |                        | 372519.73                      | 3781479.10                     | 199.21                | 1.00                  |
|                       |                         |                        | 372503.14                      | 3781517.89                     | 201.62                | 1.00                  |
|                       |                         |                        | 372478.66                      | 3781578.46                     | 202.05                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME

Source: MAINLINE

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 27.00                 | 0.00040                 | Surface-Based          | 372547.35                      | 3781323.32                     | 194.84                | 1.00                  |
|                       |                         |                        | 372536.72                      | 3781354.45                     | 195.88                | 1.00                  |
|                       |                         |                        | 372520.12                      | 3781402.69                     | 196.91                | 1.00                  |
|                       |                         |                        | 372499.10                      | 3781463.15                     | 199.12                | 1.00                  |
|                       |                         |                        | 372474.62                      | 3781533.02                     | 201.98                | 1.00                  |
|                       |                         |                        | 372457.63                      | 3781581.11                     | 201.98                | 1.00                  |
|                       |                         |                        | 372447.68                      | 3781603.96                     | 201.98                | 1.00                  |
|                       |                         |                        | 372437.32                      | 3781627.55                     | 201.96                | 1.00                  |
|                       |                         |                        | 372426.07                      | 3781650.93                     | 202.01                | 1.00                  |
|                       |                         |                        | 372406.49                      | 3781686.49                     | 201.77                | 1.00                  |
|                       |                         |                        | 372380.96                      | 3781730.27                     | 200.70                | 1.00                  |
|                       |                         |                        | 372361.50                      | 3781762.44                     | 202.23                | 1.00                  |
|                       |                         |                        | 372344.21                      | 3781786.63                     | 202.16                | 1.00                  |
|                       |                         |                        | 372327.49                      | 3781807.77                     | 202.06                | 1.00                  |
|                       |                         |                        | 372317.14                      | 3781821.73                     | 202.14                | 1.00                  |
|                       |                         |                        | 372295.67                      | 3781847.56                     | 202.13                | 1.00                  |
|                       |                         |                        | 372278.57                      | 3781866.29                     | 202.09                | 1.00                  |
|                       |                         |                        | 372259.80                      | 3781886.93                     | 202.10                | 1.00                  |
|                       |                         |                        | 372236.93                      | 3781908.86                     | 202.08                | 1.00                  |
|                       |                         |                        | 372202.53                      | 3781940.48                     | 201.98                | 1.00                  |
|                       |                         |                        | 372182.68                      | 3781957.02                     | 201.98                | 1.00                  |
|                       |                         |                        | 372134.38                      | 3781996.50                     | 201.98                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

## Volume Sources Generated from Line Sources

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAINLINE       | L0002390         | 372542.99        | 3781336.09       | 195.68             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002391         | 372534.24        | 3781361.64       | 195.88             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002392         | 372525.46        | 3781387.17       | 195.91             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002393         | 372516.64        | 3781412.69       | 198.37             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002394         | 372507.78        | 3781438.19       | 198.88             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002395         | 372498.91        | 3781463.69       | 199.13             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002396         | 372489.98        | 3781489.17       | 201.95             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002397         | 372481.06        | 3781514.66       | 201.99             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002398         | 372472.11        | 3781540.13       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002399         | 372463.11        | 3781565.59       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002400         | 372453.42        | 3781590.77       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002401         | 372442.61        | 3781615.51       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002402         | 372431.31        | 3781640.03       | 201.97             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002403         | 372418.88        | 3781663.99       | 201.99             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002404         | 372405.83        | 3781687.62       | 201.41             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002405         | 372392.23        | 3781710.95       | 199.69             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002406         | 372378.56        | 3781734.23       | 200.91             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002407         | 372364.59        | 3781757.34       | 202.08             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002408         | 372349.27        | 3781779.55       | 202.22             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002409         | 372332.86        | 3781800.98       | 202.14             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002410         | 372316.52        | 3781822.47       | 202.12             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002411         | 372299.26        | 3781843.24       | 202.14             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002412         | 372281.25        | 3781863.35       | 202.10             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002413         | 372263.09        | 3781883.32       | 202.11             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAINLINE       | L0002414         | 372243.84        | 3781902.24       | 202.11             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002415         | 372224.10        | 3781920.66       | 202.04             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002416         | 372204.22        | 3781938.93       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002417         | 372183.55        | 3781956.30       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002418         | 372162.65        | 3781973.40       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002419         | 372141.75        | 3781990.48       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAGRAMP        | L0002420         | 372591.49        | 3781329.38       | 193.85             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002421         | 372587.71        | 3781338.29       | 193.90             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002422         | 372583.70        | 3781347.10       | 193.94             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002423         | 372579.37        | 3781355.76       | 193.92             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002424         | 372575.05        | 3781364.42       | 194.09             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002425         | 372570.77        | 3781373.10       | 194.46             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002426         | 372566.49        | 3781381.79       | 194.99             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002427         | 372562.21        | 3781390.47       | 195.65             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002428         | 372557.92        | 3781399.15       | 195.87             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002429         | 372553.64        | 3781407.84       | 195.89             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002430         | 372549.36        | 3781416.52       | 196.28             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002431         | 372545.04        | 3781425.18       | 197.05             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002432         | 372540.71        | 3781433.84       | 197.85             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002433         | 372536.38        | 3781442.50       | 198.77             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002434         | 372532.27        | 3781451.27       | 198.88             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002435         | 372528.29        | 3781460.09       | 198.89             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002436         | 372524.32        | 3781468.92       | 198.90             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |



# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimencion [m] | Initial Vertical Dimencion [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAGRAMP        | L0002437         | 372520.34        | 3781477.75       | 199.57             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002438         | 372516.51        | 3781486.64       | 201.03             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002439         | 372512.70        | 3781495.54       | 202.07             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002440         | 372508.89        | 3781504.44       | 202.16             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002441         | 372505.08        | 3781513.34       | 201.47             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002442         | 372501.36        | 3781522.28       | 201.99             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002443         | 372497.73        | 3781531.26       | 202.23             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002444         | 372494.11        | 3781540.23       | 202.55             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002445         | 372490.48        | 3781549.21       | 202.24             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002446         | 372486.85        | 3781558.19       | 202.07             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002447         | 372483.23        | 3781567.16       | 201.50             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002448         | 372479.60        | 3781576.14       | 201.73             | 1.00               | 2.19E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimencion [m] | Initial Vertical Dimencion [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| BURBRAMP       | L0002449         | 372204.30        | 3782062.03       | 201.11             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002450         | 372203.99        | 3782052.33       | 201.42             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002451         | 372203.98        | 3782042.64       | 201.71             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002452         | 372204.51        | 3782032.96       | 201.94             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002453         | 372205.95        | 3782023.38       | 201.97             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002454         | 372208.07        | 3782013.93       | 201.99             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002455         | 372211.14        | 3782004.73       | 202.02             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002456         | 372214.51        | 3781995.65       | 202.05             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002457         | 372219.26        | 3781987.19       | 202.09             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002458         | 372224.23        | 3781978.87       | 202.23             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002459         | 372229.49        | 3781970.72       | 202.29             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| BURBRAMP       | L0002460         | 372234.98        | 3781962.73       | 202.31             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002461         | 372240.81        | 3781954.98       | 202.36             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002462         | 372246.66        | 3781947.25       | 202.31             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002463         | 372252.48        | 3781939.49       | 202.39             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002464         | 372257.99        | 3781931.51       | 202.39             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002465         | 372263.74        | 3781923.70       | 202.35             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002466         | 372269.66        | 3781916.02       | 202.33             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002467         | 372275.67        | 3781908.41       | 202.34             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002468         | 372281.69        | 3781900.80       | 202.28             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002469         | 372287.70        | 3781893.19       | 202.24             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002470         | 372293.55        | 3781885.46       | 202.37             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002471         | 372299.40        | 3781877.72       | 202.36             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002472         | 372305.25        | 3781869.98       | 202.26             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002473         | 372311.04        | 3781862.21       | 202.31             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002474         | 372316.76        | 3781854.37       | 202.30             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002475         | 372322.48        | 3781846.54       | 202.35             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002476         | 372328.20        | 3781838.71       | 202.30             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002477         | 372333.92        | 3781830.88       | 202.39             | 1.00               | 1.91E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |

# Control Pathway

AERMOD

## Dispersion Options

|                                                                                                                                  |                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Titles</b><br>C:\~Local TAHA Files\2017-014 Chandler Blvd HRA\11525 Chandler Blvd                                             |                                                                                                                                                                                                                        |
| <b>Dispersion Options</b><br><input checked="" type="checkbox"/> Regulatory Default <input type="checkbox"/> Non-Default Options | <b>Dispersion Coefficient</b><br>Urban      Population:<br>Name (Optional):<br>Roughness Length:                                                                                                                       |
|                                                                                                                                  | <b>Output Type</b><br><input checked="" type="checkbox"/> Concentration<br><input type="checkbox"/> Total Deposition (Dry & Wet)<br><input type="checkbox"/> Dry Deposition<br><input type="checkbox"/> Wet Deposition |
|                                                                                                                                  | <b>Plume Depletion</b><br><input type="checkbox"/> Dry Removal<br><input type="checkbox"/> Wet Removal                                                                                                                 |
|                                                                                                                                  | <b>Output Warnings</b><br><input type="checkbox"/> No Output Warnings<br><input type="checkbox"/> Non-fatal Warnings for Non-sequential Met Data                                                                       |

## Pollutant / Averaging Time / Terrain Options

|                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pollutant Type</b><br>OTHER - ACTLDHYD                                                                                                                                                                                                                                                                                                                                                | <b>Exponential Decay</b><br><input type="checkbox"/> Half-life of 4 hrs will be used                                                                    |
| <b>Averaging Time Options</b><br>Hours <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input type="checkbox"/> 24<br><input type="checkbox"/> Month <input checked="" type="checkbox"/> Period <input type="checkbox"/> Annual | <b>Terrain Height Options</b><br><input type="checkbox"/> Flat <input checked="" type="checkbox"/> Elevated      SO: Meters<br>RE: Meters<br>TG: Meters |
| <b>Flagpole Receptors</b><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Default Height = 10.00 m                                                                                                                                                                                                                                                             |                                                                                                                                                         |

## Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

### Detailed Error Listing File

Filename: 11525 Chandler Blvd HRA.err

# Source Pathway - Source Inputs

AERMOD



# Source Pathway - Source Inputs

AERMOD

## Line Volume Sources

**Source Type:** LINE VOLUME

**Source:** BURBRAMP (NB 170 Burbank Ave Off-Ramp)

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 5.00                  | 6.85E-6                 | Surface-Based          | 372204.38                      | 3782064.52                     | 201.10                | 1.00                  |
|                       |                         |                        | 372203.83                      | 3782047.38                     | 201.70                | 1.00                  |
|                       |                         |                        | 372204.20                      | 3782035.83                     | 201.94                | 1.00                  |
|                       |                         |                        | 372205.10                      | 3782027.53                     | 201.96                | 1.00                  |
|                       |                         |                        | 372207.62                      | 3782015.26                     | 201.95                | 1.00                  |
|                       |                         |                        | 372211.05                      | 3782004.97                     | 201.91                | 1.00                  |
|                       |                         |                        | 372213.94                      | 3781996.67                     | 202.05                | 1.00                  |
|                       |                         |                        | 372219.71                      | 3781986.38                     | 202.11                | 1.00                  |
|                       |                         |                        | 372225.67                      | 3781976.46                     | 202.18                | 1.00                  |
|                       |                         |                        | 372233.61                      | 3781964.55                     | 202.25                | 1.00                  |
|                       |                         |                        | 372242.90                      | 3781952.19                     | 202.32                | 1.00                  |
|                       |                         |                        | 372251.64                      | 3781940.72                     | 202.40                | 1.00                  |
|                       |                         |                        | 372259.21                      | 3781929.75                     | 202.23                | 1.00                  |
|                       |                         |                        | 372266.84                      | 3781919.57                     | 202.32                | 1.00                  |
|                       |                         |                        | 372287.44                      | 3781893.53                     | 202.20                | 1.00                  |
|                       |                         |                        | 372308.50                      | 3781865.68                     | 202.18                | 1.00                  |
|                       |                         |                        | 372335.39                      | 3781828.86                     | 202.35                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

**Source Type:** LINE VOLUME

**Source:** MAGRAMP (Magnolia Blvd NB 170 On-Ramp)

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 5.00                  | 7.88E-6                 | Surface-Based          | 372592.47                      | 3781327.07                     | 193.77                | 1.00                  |
|                       |                         |                        | 372585.48                      | 3781343.55                     | 194.10                | 1.00                  |
|                       |                         |                        | 372575.74                      | 3781363.03                     | 193.99                | 1.00                  |
|                       |                         |                        | 372548.77                      | 3781417.71                     | 196.49                | 1.00                  |
|                       |                         |                        | 372534.64                      | 3781445.99                     | 198.83                | 1.00                  |
|                       |                         |                        | 372519.73                      | 3781479.10                     | 199.21                | 1.00                  |
|                       |                         |                        | 372503.14                      | 3781517.89                     | 201.62                | 1.00                  |
|                       |                         |                        | 372478.66                      | 3781578.46                     | 202.05                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME

Source: MAINLINE

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 27.00                 | 0.00031                 | Surface-Based          | 372547.35                      | 3781323.32                     | 194.84                | 1.00                  |
|                       |                         |                        | 372536.72                      | 3781354.45                     | 195.88                | 1.00                  |
|                       |                         |                        | 372520.12                      | 3781402.69                     | 196.91                | 1.00                  |
|                       |                         |                        | 372499.10                      | 3781463.15                     | 199.12                | 1.00                  |
|                       |                         |                        | 372474.62                      | 3781533.02                     | 201.98                | 1.00                  |
|                       |                         |                        | 372457.63                      | 3781581.11                     | 201.98                | 1.00                  |
|                       |                         |                        | 372447.68                      | 3781603.96                     | 201.98                | 1.00                  |
|                       |                         |                        | 372437.32                      | 3781627.55                     | 201.96                | 1.00                  |
|                       |                         |                        | 372426.07                      | 3781650.93                     | 202.01                | 1.00                  |
|                       |                         |                        | 372406.49                      | 3781686.49                     | 201.77                | 1.00                  |
|                       |                         |                        | 372380.96                      | 3781730.27                     | 200.70                | 1.00                  |
|                       |                         |                        | 372361.50                      | 3781762.44                     | 202.23                | 1.00                  |
|                       |                         |                        | 372344.21                      | 3781786.63                     | 202.16                | 1.00                  |
|                       |                         |                        | 372327.49                      | 3781807.77                     | 202.06                | 1.00                  |
|                       |                         |                        | 372317.14                      | 3781821.73                     | 202.14                | 1.00                  |
|                       |                         |                        | 372295.67                      | 3781847.56                     | 202.13                | 1.00                  |
|                       |                         |                        | 372278.57                      | 3781866.29                     | 202.09                | 1.00                  |
|                       |                         |                        | 372259.80                      | 3781886.93                     | 202.10                | 1.00                  |
|                       |                         |                        | 372236.93                      | 3781908.86                     | 202.08                | 1.00                  |
|                       |                         |                        | 372202.53                      | 3781940.48                     | 201.98                | 1.00                  |
|                       |                         |                        | 372182.68                      | 3781957.02                     | 201.98                | 1.00                  |
|                       |                         |                        | 372134.38                      | 3781996.50                     | 201.98                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

## Volume Sources Generated from Line Sources

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAINLINE       | L0002654         | 372542.99        | 3781336.09       | 195.68             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002655         | 372534.24        | 3781361.64       | 195.88             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002656         | 372525.46        | 3781387.17       | 195.91             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002657         | 372516.64        | 3781412.69       | 198.37             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002658         | 372507.78        | 3781438.19       | 198.88             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002659         | 372498.91        | 3781463.69       | 199.13             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002660         | 372489.98        | 3781489.17       | 201.95             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002661         | 372481.06        | 3781514.66       | 201.99             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002662         | 372472.11        | 3781540.13       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002663         | 372463.11        | 3781565.59       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002664         | 372453.42        | 3781590.77       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002665         | 372442.61        | 3781615.51       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002666         | 372431.31        | 3781640.03       | 201.97             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002667         | 372418.88        | 3781663.99       | 201.99             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002668         | 372405.83        | 3781687.62       | 201.41             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002669         | 372392.23        | 3781710.95       | 199.69             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002670         | 372378.56        | 3781734.23       | 200.91             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002671         | 372364.59        | 3781757.34       | 202.08             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002672         | 372349.27        | 3781779.55       | 202.22             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002673         | 372332.86        | 3781800.98       | 202.14             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002674         | 372316.52        | 3781822.47       | 202.12             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002675         | 372299.26        | 3781843.24       | 202.14             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002676         | 372281.25        | 3781863.35       | 202.10             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002677         | 372263.09        | 3781883.32       | 202.11             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAINLINE       | L0002678         | 372243.84        | 3781902.24       | 202.11             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002679         | 372224.10        | 3781920.66       | 202.04             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002680         | 372204.22        | 3781938.93       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002681         | 372183.55        | 3781956.30       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002682         | 372162.65        | 3781973.40       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002683         | 372141.75        | 3781990.48       | 201.98             | 1.00               | 0.00001             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAGRAMP        | L0002684         | 372591.49        | 3781329.38       | 193.85             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002685         | 372587.71        | 3781338.29       | 193.90             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002686         | 372583.70        | 3781347.10       | 193.94             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002687         | 372579.37        | 3781355.76       | 193.92             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002688         | 372575.05        | 3781364.42       | 194.09             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002689         | 372570.77        | 3781373.10       | 194.46             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002690         | 372566.49        | 3781381.79       | 194.99             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002691         | 372562.21        | 3781390.47       | 195.65             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002692         | 372557.92        | 3781399.15       | 195.87             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002693         | 372553.64        | 3781407.84       | 195.89             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002694         | 372549.36        | 3781416.52       | 196.28             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002695         | 372545.04        | 3781425.18       | 197.05             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002696         | 372540.71        | 3781433.84       | 197.85             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002697         | 372536.38        | 3781442.50       | 198.77             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002698         | 372532.27        | 3781451.27       | 198.88             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002699         | 372528.29        | 3781460.09       | 198.89             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002700         | 372524.32        | 3781468.92       | 198.90             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |



# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimencion [m] | Initial Vertical Dimencion [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAGRAMP        | L0002701         | 372520.34        | 3781477.75       | 199.57             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002702         | 372516.51        | 3781486.64       | 201.03             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002703         | 372512.70        | 3781495.54       | 202.07             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002704         | 372508.89        | 3781504.44       | 202.16             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002705         | 372505.08        | 3781513.34       | 201.47             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002706         | 372501.36        | 3781522.28       | 201.99             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002707         | 372497.73        | 3781531.26       | 202.23             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002708         | 372494.11        | 3781540.23       | 202.55             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002709         | 372490.48        | 3781549.21       | 202.24             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002710         | 372486.85        | 3781558.19       | 202.07             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002711         | 372483.23        | 3781567.16       | 201.50             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002712         | 372479.60        | 3781576.14       | 201.73             | 1.00               | 2.72E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimencion [m] | Initial Vertical Dimencion [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| BURBRAMP       | L0002713         | 372204.30        | 3782062.03       | 201.11             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002714         | 372203.99        | 3782052.33       | 201.42             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002715         | 372203.98        | 3782042.64       | 201.71             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002716         | 372204.51        | 3782032.96       | 201.94             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002717         | 372205.95        | 3782023.38       | 201.97             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002718         | 372208.07        | 3782013.93       | 201.99             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002719         | 372211.14        | 3782004.73       | 202.02             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002720         | 372214.51        | 3781995.65       | 202.05             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002721         | 372219.26        | 3781987.19       | 202.09             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002722         | 372224.23        | 3781978.87       | 202.23             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002723         | 372229.49        | 3781970.72       | 202.29             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| BURBRAMP       | L0002724         | 372234.98        | 3781962.73       | 202.31             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002725         | 372240.81        | 3781954.98       | 202.36             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002726         | 372246.66        | 3781947.25       | 202.31             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002727         | 372252.48        | 3781939.49       | 202.39             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002728         | 372257.99        | 3781931.51       | 202.39             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002729         | 372263.74        | 3781923.70       | 202.35             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002730         | 372269.66        | 3781916.02       | 202.33             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002731         | 372275.67        | 3781908.41       | 202.34             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002732         | 372281.69        | 3781900.80       | 202.28             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002733         | 372287.70        | 3781893.19       | 202.24             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002734         | 372293.55        | 3781885.46       | 202.37             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002735         | 372299.40        | 3781877.72       | 202.36             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002736         | 372305.25        | 3781869.98       | 202.26             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002737         | 372311.04        | 3781862.21       | 202.31             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002738         | 372316.76        | 3781854.37       | 202.30             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002739         | 372322.48        | 3781846.54       | 202.35             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002740         | 372328.20        | 3781838.71       | 202.30             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002741         | 372333.92        | 3781830.88       | 202.39             | 1.00               | 2.36E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |

# Control Pathway

AERMOD

## Dispersion Options

|                                                                                                                                  |                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Titles</b><br>C:\~Local TAHA Files\2017-014 Chandler Blvd HRA\11525 Chandler Blvd                                             |                                                                                                                                                                                                                        |
| <b>Dispersion Options</b><br><input checked="" type="checkbox"/> Regulatory Default <input type="checkbox"/> Non-Default Options | <b>Dispersion Coefficient</b><br>Urban      Population:<br>Name (Optional):<br>Roughness Length:                                                                                                                       |
|                                                                                                                                  | <b>Output Type</b><br><input checked="" type="checkbox"/> Concentration<br><input type="checkbox"/> Total Deposition (Dry & Wet)<br><input type="checkbox"/> Dry Deposition<br><input type="checkbox"/> Wet Deposition |
|                                                                                                                                  | <b>Plume Depletion</b><br><input type="checkbox"/> Dry Removal<br><input type="checkbox"/> Wet Removal                                                                                                                 |
|                                                                                                                                  | <b>Output Warnings</b><br><input type="checkbox"/> No Output Warnings<br><input type="checkbox"/> Non-fatal Warnings for Non-sequential Met Data                                                                       |

## Pollutant / Averaging Time / Terrain Options

|                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pollutant Type</b><br>OTHER - ACROLEIN<br><br><b>Averaging Time Options</b><br>Hours <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input type="checkbox"/> 24<br><input type="checkbox"/> Month <input checked="" type="checkbox"/> Period <input type="checkbox"/> Annual | <b>Exponential Decay</b><br><del>Half-life of 4 hrs will be used</del><br><br><b>Terrain Height Options</b><br><input type="checkbox"/> Flat <input checked="" type="checkbox"/> Elevated      SO: Meters<br>RE: Meters<br>TG: Meters |
| <b>Flagpole Receptors</b><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Default Height = 10.00 m                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                       |

## Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

### Detailed Error Listing File

Filename: 11525 Chandler Blvd HRA.err

# Source Pathway - Source Inputs

AERMOD



# Source Pathway - Source Inputs

AERMOD

## Line Volume Sources

Source Type: LINE VOLUME

Source: BURBRAMP (NB 170 Burbank Ave Off-Ramp)

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 5.00                  | 7.82E-7                 |                        | 372204.38                      | 3782064.52                     | 201.10                | 1.00                  |
|                       |                         |                        | 372203.83                      | 3782047.38                     | 201.70                | 1.00                  |
|                       |                         |                        | 372204.20                      | 3782035.83                     | 201.94                | 1.00                  |
|                       |                         |                        | 372205.10                      | 3782027.53                     | 201.96                | 1.00                  |
|                       |                         |                        | 372207.62                      | 3782015.26                     | 201.95                | 1.00                  |
|                       |                         |                        | 372211.05                      | 3782004.97                     | 201.91                | 1.00                  |
|                       |                         |                        | 372213.94                      | 3781996.67                     | 202.05                | 1.00                  |
|                       |                         |                        | 372219.71                      | 3781986.38                     | 202.11                | 1.00                  |
|                       |                         |                        | 372225.67                      | 3781976.46                     | 202.18                | 1.00                  |
|                       |                         |                        | 372233.61                      | 3781964.55                     | 202.25                | 1.00                  |
|                       |                         |                        | 372242.90                      | 3781952.19                     | 202.32                | 1.00                  |
|                       |                         |                        | 372251.64                      | 3781940.72                     | 202.40                | 1.00                  |
|                       |                         |                        | 372259.21                      | 3781929.75                     | 202.23                | 1.00                  |
|                       |                         |                        | 372266.84                      | 3781919.57                     | 202.32                | 1.00                  |
|                       |                         |                        | 372287.44                      | 3781893.53                     | 202.20                | 1.00                  |
|                       |                         |                        | 372308.50                      | 3781865.68                     | 202.18                | 1.00                  |
|                       |                         |                        | 372335.39                      | 3781828.86                     | 202.35                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

**Source Type:** LINE VOLUME

**Source:** MAGRAMP (Magnolia Blvd NB 170 On-Ramp)

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 5.00                  | 8.99E-7                 |                        | 372592.47                      | 3781327.07                     | 193.77                | 1.00                  |
|                       |                         |                        | 372585.48                      | 3781343.55                     | 194.10                | 1.00                  |
|                       |                         |                        | 372575.74                      | 3781363.03                     | 193.99                | 1.00                  |
|                       |                         |                        | 372548.77                      | 3781417.71                     | 196.49                | 1.00                  |
|                       |                         |                        | 372534.64                      | 3781445.99                     | 198.83                | 1.00                  |
|                       |                         |                        | 372519.73                      | 3781479.10                     | 199.21                | 1.00                  |
|                       |                         |                        | 372503.14                      | 3781517.89                     | 201.62                | 1.00                  |
|                       |                         |                        | 372478.66                      | 3781578.46                     | 202.05                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME

Source: MAINLINE

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 27.00                 | 0.00008                 |                        | 372547.35                      | 3781323.32                     | 194.84                | 1.00                  |
|                       |                         |                        | 372536.72                      | 3781354.45                     | 195.88                | 1.00                  |
|                       |                         |                        | 372520.12                      | 3781402.69                     | 196.91                | 1.00                  |
|                       |                         |                        | 372499.10                      | 3781463.15                     | 199.12                | 1.00                  |
|                       |                         |                        | 372474.62                      | 3781533.02                     | 201.98                | 1.00                  |
|                       |                         |                        | 372457.63                      | 3781581.11                     | 201.98                | 1.00                  |
|                       |                         |                        | 372447.68                      | 3781603.96                     | 201.98                | 1.00                  |
|                       |                         |                        | 372437.32                      | 3781627.55                     | 201.96                | 1.00                  |
|                       |                         |                        | 372426.07                      | 3781650.93                     | 202.01                | 1.00                  |
|                       |                         |                        | 372406.49                      | 3781686.49                     | 201.77                | 1.00                  |
|                       |                         |                        | 372380.96                      | 3781730.27                     | 200.70                | 1.00                  |
|                       |                         |                        | 372361.50                      | 3781762.44                     | 202.23                | 1.00                  |
|                       |                         |                        | 372344.21                      | 3781786.63                     | 202.16                | 1.00                  |
|                       |                         |                        | 372327.49                      | 3781807.77                     | 202.06                | 1.00                  |
|                       |                         |                        | 372317.14                      | 3781821.73                     | 202.14                | 1.00                  |
|                       |                         |                        | 372295.67                      | 3781847.56                     | 202.13                | 1.00                  |
|                       |                         |                        | 372278.57                      | 3781866.29                     | 202.09                | 1.00                  |
|                       |                         |                        | 372259.80                      | 3781886.93                     | 202.10                | 1.00                  |
|                       |                         |                        | 372236.93                      | 3781908.86                     | 202.08                | 1.00                  |
|                       |                         |                        | 372202.53                      | 3781940.48                     | 201.98                | 1.00                  |
|                       |                         |                        | 372182.68                      | 3781957.02                     | 201.98                | 1.00                  |
|                       |                         |                        | 372134.38                      | 3781996.50                     | 201.98                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

## Volume Sources Generated from Line Sources

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAINLINE       | L0001978         | 372542.99        | 3781336.09       | 195.68             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001979         | 372534.24        | 3781361.64       | 195.88             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001980         | 372525.46        | 3781387.17       | 195.91             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001981         | 372516.64        | 3781412.69       | 198.37             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001982         | 372507.78        | 3781438.19       | 198.88             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001983         | 372498.91        | 3781463.69       | 199.13             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001984         | 372489.98        | 3781489.17       | 201.95             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001985         | 372481.06        | 3781514.66       | 201.99             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001986         | 372472.11        | 3781540.13       | 201.98             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001987         | 372463.11        | 3781565.59       | 201.98             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001988         | 372453.42        | 3781590.77       | 201.98             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001989         | 372442.61        | 3781615.51       | 201.98             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001990         | 372431.31        | 3781640.03       | 201.97             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001991         | 372418.88        | 3781663.99       | 201.99             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001992         | 372405.83        | 3781687.62       | 201.41             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001993         | 372392.23        | 3781710.95       | 199.69             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001994         | 372378.56        | 3781734.23       | 200.91             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001995         | 372364.59        | 3781757.34       | 202.08             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001996         | 372349.27        | 3781779.55       | 202.22             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001997         | 372332.86        | 3781800.98       | 202.14             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001998         | 372316.52        | 3781822.47       | 202.12             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0001999         | 372299.26        | 3781843.24       | 202.14             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0002000         | 372281.25        | 3781863.35       | 202.10             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0002001         | 372263.09        | 3781883.32       | 202.11             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimencion [m] | Initial Vertical Dimencion [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAINLINE       | L0002002         | 372243.84        | 3781902.24       | 202.11             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0002003         | 372224.10        | 3781920.66       | 202.04             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0002004         | 372204.22        | 3781938.93       | 201.98             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0002005         | 372183.55        | 3781956.30       | 201.98             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0002006         | 372162.65        | 3781973.40       | 201.98             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |
|                | L0002007         | 372141.75        | 3781990.48       | 201.98             | 1.00               | 2.52E-6             | 27.00              |                     | 12.56                         | 1.40                           |

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimencion [m] | Initial Vertical Dimencion [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAGRAMP        | L0002008         | 372591.49        | 3781329.38       | 193.85             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002009         | 372587.71        | 3781338.29       | 193.90             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002010         | 372583.70        | 3781347.10       | 193.94             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002011         | 372579.37        | 3781355.76       | 193.92             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002012         | 372575.05        | 3781364.42       | 194.09             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002013         | 372570.77        | 3781373.10       | 194.46             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002014         | 372566.49        | 3781381.79       | 194.99             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002015         | 372562.21        | 3781390.47       | 195.65             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002016         | 372557.92        | 3781399.15       | 195.87             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002017         | 372553.64        | 3781407.84       | 195.89             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002018         | 372549.36        | 3781416.52       | 196.28             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002019         | 372545.04        | 3781425.18       | 197.05             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002020         | 372540.71        | 3781433.84       | 197.85             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002021         | 372536.38        | 3781442.50       | 198.77             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002022         | 372532.27        | 3781451.27       | 198.88             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002023         | 372528.29        | 3781460.09       | 198.89             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002024         | 372524.32        | 3781468.92       | 198.90             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |



# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAGRAMP        | L0002025         | 372520.34        | 3781477.75       | 199.57             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002026         | 372516.51        | 3781486.64       | 201.03             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002027         | 372512.70        | 3781495.54       | 202.07             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002028         | 372508.89        | 3781504.44       | 202.16             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002029         | 372505.08        | 3781513.34       | 201.47             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002030         | 372501.36        | 3781522.28       | 201.99             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002031         | 372497.73        | 3781531.26       | 202.23             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002032         | 372494.11        | 3781540.23       | 202.55             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002033         | 372490.48        | 3781549.21       | 202.24             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002034         | 372486.85        | 3781558.19       | 202.07             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002035         | 372483.23        | 3781567.16       | 201.50             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
|                | L0002036         | 372479.60        | 3781576.14       | 201.73             | 1.00               | 3.10E-8             | 5.00               |                     | 4.50                          | 1.40                           |
| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
| BURBRAMP       | L0002037         | 372204.30        | 3782062.03       | 201.11             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002038         | 372203.99        | 3782052.33       | 201.42             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002039         | 372203.98        | 3782042.64       | 201.71             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002040         | 372204.51        | 3782032.96       | 201.94             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002041         | 372205.95        | 3782023.38       | 201.97             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002042         | 372208.07        | 3782013.93       | 201.99             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002043         | 372211.14        | 3782004.73       | 202.02             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002044         | 372214.51        | 3781995.65       | 202.05             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002045         | 372219.26        | 3781987.19       | 202.09             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002046         | 372224.23        | 3781978.87       | 202.23             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002047         | 372229.49        | 3781970.72       | 202.29             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| BURBRAMP       | L0002048         | 372234.98        | 3781962.73       | 202.31             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002049         | 372240.81        | 3781954.98       | 202.36             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002050         | 372246.66        | 3781947.25       | 202.31             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002051         | 372252.48        | 3781939.49       | 202.39             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002052         | 372257.99        | 3781931.51       | 202.39             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002053         | 372263.74        | 3781923.70       | 202.35             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002054         | 372269.66        | 3781916.02       | 202.33             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002055         | 372275.67        | 3781908.41       | 202.34             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002056         | 372281.69        | 3781900.80       | 202.28             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002057         | 372287.70        | 3781893.19       | 202.24             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002058         | 372293.55        | 3781885.46       | 202.37             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002059         | 372299.40        | 3781877.72       | 202.36             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002060         | 372305.25        | 3781869.98       | 202.26             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002061         | 372311.04        | 3781862.21       | 202.31             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002062         | 372316.76        | 3781854.37       | 202.30             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002063         | 372322.48        | 3781846.54       | 202.35             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002064         | 372328.20        | 3781838.71       | 202.30             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |
|                | L0002065         | 372333.92        | 3781830.88       | 202.39             | 1.00               | 2.70E-8             | 5.00               |                     | 4.51                          | 1.40                           |

# Control Pathway

AERMOD

## Dispersion Options

|                                                                                                                                  |                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Titles</b><br>C:\~Local TAHA Files\2017-014 Chandler Blvd HRA\11525 Chandler Blvd                                             |                                                                                                                                                                                                                        |
| <b>Dispersion Options</b><br><input checked="" type="checkbox"/> Regulatory Default <input type="checkbox"/> Non-Default Options | <b>Dispersion Coefficient</b><br>Urban      Population:<br>Name (Optional):<br>Roughness Length:                                                                                                                       |
|                                                                                                                                  | <b>Output Type</b><br><input checked="" type="checkbox"/> Concentration<br><input type="checkbox"/> Total Deposition (Dry & Wet)<br><input type="checkbox"/> Dry Deposition<br><input type="checkbox"/> Wet Deposition |
|                                                                                                                                  | <b>Plume Depletion</b><br><input type="checkbox"/> Dry Removal<br><input type="checkbox"/> Wet Removal                                                                                                                 |
|                                                                                                                                  | <b>Output Warnings</b><br><input type="checkbox"/> No Output Warnings<br><input type="checkbox"/> Non-fatal Warnings for Non-sequential Met Data                                                                       |

## Pollutant / Averaging Time / Terrain Options

|                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pollutant Type</b><br>OTHER - BENZENE<br><br><b>Averaging Time Options</b><br>Hours <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input type="checkbox"/> 24<br><input type="checkbox"/> Month <input checked="" type="checkbox"/> Period <input type="checkbox"/> Annual | <b>Exponential Decay</b><br><del>Half-life of 4 hrs will be used</del><br><br><b>Terrain Height Options</b><br><input type="checkbox"/> Flat <input checked="" type="checkbox"/> Elevated      SO: Meters<br>RE: Meters<br>TG: Meters |
| <b>Flagpole Receptors</b><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Default Height = 10.00 m                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                       |

## Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

### Detailed Error Listing File

Filename: 11525 Chandler Blvd HRA.err

# Source Pathway - Source Inputs

AERMOD



# Source Pathway - Source Inputs

AERMOD

## Line Volume Sources

Source Type: LINE VOLUME

Source: BURBRAMP (NB 170 Burbank Ave Off-Ramp)

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 5.00                  | 0.00001                 | Surface-Based          | 372204.38                      | 3782064.52                     | 201.10                | 1.00                  |
|                       |                         |                        | 372203.83                      | 3782047.38                     | 201.70                | 1.00                  |
|                       |                         |                        | 372204.20                      | 3782035.83                     | 201.94                | 1.00                  |
|                       |                         |                        | 372205.10                      | 3782027.53                     | 201.96                | 1.00                  |
|                       |                         |                        | 372207.62                      | 3782015.26                     | 201.95                | 1.00                  |
|                       |                         |                        | 372211.05                      | 3782004.97                     | 201.91                | 1.00                  |
|                       |                         |                        | 372213.94                      | 3781996.67                     | 202.05                | 1.00                  |
|                       |                         |                        | 372219.71                      | 3781986.38                     | 202.11                | 1.00                  |
|                       |                         |                        | 372225.67                      | 3781976.46                     | 202.18                | 1.00                  |
|                       |                         |                        | 372233.61                      | 3781964.55                     | 202.25                | 1.00                  |
|                       |                         |                        | 372242.90                      | 3781952.19                     | 202.32                | 1.00                  |
|                       |                         |                        | 372251.64                      | 3781940.72                     | 202.40                | 1.00                  |
|                       |                         |                        | 372259.21                      | 3781929.75                     | 202.23                | 1.00                  |
|                       |                         |                        | 372266.84                      | 3781919.57                     | 202.32                | 1.00                  |
|                       |                         |                        | 372287.44                      | 3781893.53                     | 202.20                | 1.00                  |
|                       |                         |                        | 372308.50                      | 3781865.68                     | 202.18                | 1.00                  |
|                       |                         |                        | 372335.39                      | 3781828.86                     | 202.35                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

**Source Type:** LINE VOLUME

**Source:** MAGRAMP (Magnolia Blvd NB 170 On-Ramp)

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 5.00                  | 0.00001                 | Surface-Based          | 372592.47                      | 3781327.07                     | 193.77                | 1.00                  |
|                       |                         |                        | 372585.48                      | 3781343.55                     | 194.10                | 1.00                  |
|                       |                         |                        | 372575.74                      | 3781363.03                     | 193.99                | 1.00                  |
|                       |                         |                        | 372548.77                      | 3781417.71                     | 196.49                | 1.00                  |
|                       |                         |                        | 372534.64                      | 3781445.99                     | 198.83                | 1.00                  |
|                       |                         |                        | 372519.73                      | 3781479.10                     | 199.21                | 1.00                  |
|                       |                         |                        | 372503.14                      | 3781517.89                     | 201.62                | 1.00                  |
|                       |                         |                        | 372478.66                      | 3781578.46                     | 202.05                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME

Source: MAINLINE

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 27.00                 | 0.00069                 | Surface-Based          | 372547.35                      | 3781323.32                     | 194.84                | 1.00                  |
|                       |                         |                        | 372536.72                      | 3781354.45                     | 195.88                | 1.00                  |
|                       |                         |                        | 372520.12                      | 3781402.69                     | 196.91                | 1.00                  |
|                       |                         |                        | 372499.10                      | 3781463.15                     | 199.12                | 1.00                  |
|                       |                         |                        | 372474.62                      | 3781533.02                     | 201.98                | 1.00                  |
|                       |                         |                        | 372457.63                      | 3781581.11                     | 201.98                | 1.00                  |
|                       |                         |                        | 372447.68                      | 3781603.96                     | 201.98                | 1.00                  |
|                       |                         |                        | 372437.32                      | 3781627.55                     | 201.96                | 1.00                  |
|                       |                         |                        | 372426.07                      | 3781650.93                     | 202.01                | 1.00                  |
|                       |                         |                        | 372406.49                      | 3781686.49                     | 201.77                | 1.00                  |
|                       |                         |                        | 372380.96                      | 3781730.27                     | 200.70                | 1.00                  |
|                       |                         |                        | 372361.50                      | 3781762.44                     | 202.23                | 1.00                  |
|                       |                         |                        | 372344.21                      | 3781786.63                     | 202.16                | 1.00                  |
|                       |                         |                        | 372327.49                      | 3781807.77                     | 202.06                | 1.00                  |
|                       |                         |                        | 372317.14                      | 3781821.73                     | 202.14                | 1.00                  |
|                       |                         |                        | 372295.67                      | 3781847.56                     | 202.13                | 1.00                  |
|                       |                         |                        | 372278.57                      | 3781866.29                     | 202.09                | 1.00                  |
|                       |                         |                        | 372259.80                      | 3781886.93                     | 202.10                | 1.00                  |
|                       |                         |                        | 372236.93                      | 3781908.86                     | 202.08                | 1.00                  |
|                       |                         |                        | 372202.53                      | 3781940.48                     | 201.98                | 1.00                  |
|                       |                         |                        | 372182.68                      | 3781957.02                     | 201.98                | 1.00                  |
|                       |                         |                        | 372134.38                      | 3781996.50                     | 201.98                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

## Volume Sources Generated from Line Sources

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAINLINE       | L0002478         | 372542.99        | 3781336.09       | 195.68             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002479         | 372534.24        | 3781361.64       | 195.88             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002480         | 372525.46        | 3781387.17       | 195.91             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002481         | 372516.64        | 3781412.69       | 198.37             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002482         | 372507.78        | 3781438.19       | 198.88             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002483         | 372498.91        | 3781463.69       | 199.13             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002484         | 372489.98        | 3781489.17       | 201.95             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002485         | 372481.06        | 3781514.66       | 201.99             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002486         | 372472.11        | 3781540.13       | 201.98             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002487         | 372463.11        | 3781565.59       | 201.98             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002488         | 372453.42        | 3781590.77       | 201.98             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002489         | 372442.61        | 3781615.51       | 201.98             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002490         | 372431.31        | 3781640.03       | 201.97             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002491         | 372418.88        | 3781663.99       | 201.99             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002492         | 372405.83        | 3781687.62       | 201.41             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002493         | 372392.23        | 3781710.95       | 199.69             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002494         | 372378.56        | 3781734.23       | 200.91             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002495         | 372364.59        | 3781757.34       | 202.08             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002496         | 372349.27        | 3781779.55       | 202.22             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002497         | 372332.86        | 3781800.98       | 202.14             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002498         | 372316.52        | 3781822.47       | 202.12             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002499         | 372299.26        | 3781843.24       | 202.14             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002500         | 372281.25        | 3781863.35       | 202.10             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002501         | 372263.09        | 3781883.32       | 202.11             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAINLINE       | L0002502         | 372243.84        | 3781902.24       | 202.11             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002503         | 372224.10        | 3781920.66       | 202.04             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002504         | 372204.22        | 3781938.93       | 201.98             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002505         | 372183.55        | 3781956.30       | 201.98             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002506         | 372162.65        | 3781973.40       | 201.98             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002507         | 372141.75        | 3781990.48       | 201.98             | 1.00               | 0.00002             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAGRAMP        | L0002508         | 372591.49        | 3781329.38       | 193.85             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002509         | 372587.71        | 3781338.29       | 193.90             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002510         | 372583.70        | 3781347.10       | 193.94             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002511         | 372579.37        | 3781355.76       | 193.92             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002512         | 372575.05        | 3781364.42       | 194.09             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002513         | 372570.77        | 3781373.10       | 194.46             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002514         | 372566.49        | 3781381.79       | 194.99             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002515         | 372562.21        | 3781390.47       | 195.65             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002516         | 372557.92        | 3781399.15       | 195.87             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002517         | 372553.64        | 3781407.84       | 195.89             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002518         | 372549.36        | 3781416.52       | 196.28             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002519         | 372545.04        | 3781425.18       | 197.05             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002520         | 372540.71        | 3781433.84       | 197.85             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002521         | 372536.38        | 3781442.50       | 198.77             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002522         | 372532.27        | 3781451.27       | 198.88             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002523         | 372528.29        | 3781460.09       | 198.89             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002524         | 372524.32        | 3781468.92       | 198.90             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimencion [m] | Initial Vertical Dimencion [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAGRAMP        | L0002525         | 372520.34        | 3781477.75       | 199.57             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002526         | 372516.51        | 3781486.64       | 201.03             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002527         | 372512.70        | 3781495.54       | 202.07             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002528         | 372508.89        | 3781504.44       | 202.16             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002529         | 372505.08        | 3781513.34       | 201.47             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002530         | 372501.36        | 3781522.28       | 201.99             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002531         | 372497.73        | 3781531.26       | 202.23             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002532         | 372494.11        | 3781540.23       | 202.55             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002533         | 372490.48        | 3781549.21       | 202.24             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002534         | 372486.85        | 3781558.19       | 202.07             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002535         | 372483.23        | 3781567.16       | 201.50             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002536         | 372479.60        | 3781576.14       | 201.73             | 1.00               | 4.33E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimencion [m] | Initial Vertical Dimencion [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| BURBRAMP       | L0002537         | 372204.30        | 3782062.03       | 201.11             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002538         | 372203.99        | 3782052.33       | 201.42             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002539         | 372203.98        | 3782042.64       | 201.71             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002540         | 372204.51        | 3782032.96       | 201.94             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002541         | 372205.95        | 3782023.38       | 201.97             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002542         | 372208.07        | 3782013.93       | 201.99             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002543         | 372211.14        | 3782004.73       | 202.02             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002544         | 372214.51        | 3781995.65       | 202.05             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002545         | 372219.26        | 3781987.19       | 202.09             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002546         | 372224.23        | 3781978.87       | 202.23             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002547         | 372229.49        | 3781970.72       | 202.29             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |



# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| BURBRAMP       | L0002548         | 372234.98        | 3781962.73       | 202.31             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002549         | 372240.81        | 3781954.98       | 202.36             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002550         | 372246.66        | 3781947.25       | 202.31             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002551         | 372252.48        | 3781939.49       | 202.39             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002552         | 372257.99        | 3781931.51       | 202.39             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002553         | 372263.74        | 3781923.70       | 202.35             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002554         | 372269.66        | 3781916.02       | 202.33             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002555         | 372275.67        | 3781908.41       | 202.34             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002556         | 372281.69        | 3781900.80       | 202.28             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002557         | 372287.70        | 3781893.19       | 202.24             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002558         | 372293.55        | 3781885.46       | 202.37             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002559         | 372299.40        | 3781877.72       | 202.36             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002560         | 372305.25        | 3781869.98       | 202.26             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002561         | 372311.04        | 3781862.21       | 202.31             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002562         | 372316.76        | 3781854.37       | 202.30             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002563         | 372322.48        | 3781846.54       | 202.35             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002564         | 372328.20        | 3781838.71       | 202.30             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002565         | 372333.92        | 3781830.88       | 202.39             | 1.00               | 3.77E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |

# Control Pathway

AERMOD

## Dispersion Options

|                                                                                                                                  |                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Titles</b><br>C:\-Local TAHA Files\2017-014 Chandler Blvd HRA\11525 Chandler Blvd                                             |                                                                                                                                                                                                                        |
| <b>Dispersion Options</b><br><input checked="" type="checkbox"/> Regulatory Default <input type="checkbox"/> Non-Default Options | <b>Dispersion Coefficient</b><br>Urban      Population:<br>Name (Optional):<br>Roughness Length:                                                                                                                       |
|                                                                                                                                  | <b>Output Type</b><br><input checked="" type="checkbox"/> Concentration<br><input type="checkbox"/> Total Deposition (Dry & Wet)<br><input type="checkbox"/> Dry Deposition<br><input type="checkbox"/> Wet Deposition |
|                                                                                                                                  | <b>Plume Depletion</b><br><input type="checkbox"/> Dry Removal<br><input type="checkbox"/> Wet Removal                                                                                                                 |
|                                                                                                                                  | <b>Output Warnings</b><br><input type="checkbox"/> No Output Warnings<br><input type="checkbox"/> Non-fatal Warnings for Non-sequential Met Data                                                                       |

## Pollutant / Averaging Time / Terrain Options

|                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pollutant Type</b><br>OTHER - BUTADIEN                                                                                                                                                                                                                                                                                                                                                | <b>Exponential Decay</b><br><input checked="" type="checkbox"/> Half-life of 4 hrs will be used                                                         |
| <b>Averaging Time Options</b><br>Hours <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input type="checkbox"/> 24<br><input type="checkbox"/> Month <input checked="" type="checkbox"/> Period <input type="checkbox"/> Annual | <b>Terrain Height Options</b><br><input type="checkbox"/> Flat <input checked="" type="checkbox"/> Elevated      SO: Meters<br>RE: Meters<br>TG: Meters |
| <b>Flagpole Receptors</b><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Default Height = 10.00 m                                                                                                                                                                                                                                                             |                                                                                                                                                         |

## Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

### Detailed Error Listing File

Filename: 11525 Chandler Blvd HRA.err

# Source Pathway - Source Inputs

AERMOD

# Source Pathway - Source Inputs

AERMOD

## Line Volume Sources

Source Type: LINE VOLUME

Source: BURBRAMP (NB 170 Burbank Ave Off-Ramp)

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 5.00                  | 2.32E-6                 | Surface-Based          | 372204.38                      | 3782064.52                     | 201.10                | 1.00                  |
|                       |                         |                        | 372203.83                      | 3782047.38                     | 201.70                | 1.00                  |
|                       |                         |                        | 372204.20                      | 3782035.83                     | 201.94                | 1.00                  |
|                       |                         |                        | 372205.10                      | 3782027.53                     | 201.96                | 1.00                  |
|                       |                         |                        | 372207.62                      | 3782015.26                     | 201.95                | 1.00                  |
|                       |                         |                        | 372211.05                      | 3782004.97                     | 201.91                | 1.00                  |
|                       |                         |                        | 372213.94                      | 3781996.67                     | 202.05                | 1.00                  |
|                       |                         |                        | 372219.71                      | 3781986.38                     | 202.11                | 1.00                  |
|                       |                         |                        | 372225.67                      | 3781976.46                     | 202.18                | 1.00                  |
|                       |                         |                        | 372233.61                      | 3781964.55                     | 202.25                | 1.00                  |
|                       |                         |                        | 372242.90                      | 3781952.19                     | 202.32                | 1.00                  |
|                       |                         |                        | 372251.64                      | 3781940.72                     | 202.40                | 1.00                  |
|                       |                         |                        | 372259.21                      | 3781929.75                     | 202.23                | 1.00                  |
|                       |                         |                        | 372266.84                      | 3781919.57                     | 202.32                | 1.00                  |
|                       |                         |                        | 372287.44                      | 3781893.53                     | 202.20                | 1.00                  |
|                       |                         |                        | 372308.50                      | 3781865.68                     | 202.18                | 1.00                  |
|                       |                         |                        | 372335.39                      | 3781828.86                     | 202.35                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

**Source Type:** LINE VOLUME

**Source:** MAGRAMP (Magnolia Blvd NB 170 On-Ramp)

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 5.00                  | 2.67E-6                 | Surface-Based          | 372592.47                      | 3781327.07                     | 193.77                | 1.00                  |
|                       |                         |                        | 372585.48                      | 3781343.55                     | 194.10                | 1.00                  |
|                       |                         |                        | 372575.74                      | 3781363.03                     | 193.99                | 1.00                  |
|                       |                         |                        | 372548.77                      | 3781417.71                     | 196.49                | 1.00                  |
|                       |                         |                        | 372534.64                      | 3781445.99                     | 198.83                | 1.00                  |
|                       |                         |                        | 372519.73                      | 3781479.10                     | 199.21                | 1.00                  |
|                       |                         |                        | 372503.14                      | 3781517.89                     | 201.62                | 1.00                  |
|                       |                         |                        | 372478.66                      | 3781578.46                     | 202.05                | 1.00                  |



# Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME

Source: MAINLINE

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 27.00                 | 0.00015                 | Surface-Based          | 372547.35                      | 3781323.32                     | 194.84                | 1.00                  |
|                       |                         |                        | 372536.72                      | 3781354.45                     | 195.88                | 1.00                  |
|                       |                         |                        | 372520.12                      | 3781402.69                     | 196.91                | 1.00                  |
|                       |                         |                        | 372499.10                      | 3781463.15                     | 199.12                | 1.00                  |
|                       |                         |                        | 372474.62                      | 3781533.02                     | 201.98                | 1.00                  |
|                       |                         |                        | 372457.63                      | 3781581.11                     | 201.98                | 1.00                  |
|                       |                         |                        | 372447.68                      | 3781603.96                     | 201.98                | 1.00                  |
|                       |                         |                        | 372437.32                      | 3781627.55                     | 201.96                | 1.00                  |
|                       |                         |                        | 372426.07                      | 3781650.93                     | 202.01                | 1.00                  |
|                       |                         |                        | 372406.49                      | 3781686.49                     | 201.77                | 1.00                  |
|                       |                         |                        | 372380.96                      | 3781730.27                     | 200.70                | 1.00                  |
|                       |                         |                        | 372361.50                      | 3781762.44                     | 202.23                | 1.00                  |
|                       |                         |                        | 372344.21                      | 3781786.63                     | 202.16                | 1.00                  |
|                       |                         |                        | 372327.49                      | 3781807.77                     | 202.06                | 1.00                  |
|                       |                         |                        | 372317.14                      | 3781821.73                     | 202.14                | 1.00                  |
|                       |                         |                        | 372295.67                      | 3781847.56                     | 202.13                | 1.00                  |
|                       |                         |                        | 372278.57                      | 3781866.29                     | 202.09                | 1.00                  |
|                       |                         |                        | 372259.80                      | 3781886.93                     | 202.10                | 1.00                  |
|                       |                         |                        | 372236.93                      | 3781908.86                     | 202.08                | 1.00                  |
|                       |                         |                        | 372202.53                      | 3781940.48                     | 201.98                | 1.00                  |
|                       |                         |                        | 372182.68                      | 3781957.02                     | 201.98                | 1.00                  |
|                       |                         |                        | 372134.38                      | 3781996.50                     | 201.98                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

## Volume Sources Generated from Line Sources

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAINLINE       | L0002566         | 372542.99        | 3781336.09       | 195.68             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002567         | 372534.24        | 3781361.64       | 195.88             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002568         | 372525.46        | 3781387.17       | 195.91             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002569         | 372516.64        | 3781412.69       | 198.37             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002570         | 372507.78        | 3781438.19       | 198.88             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002571         | 372498.91        | 3781463.69       | 199.13             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002572         | 372489.98        | 3781489.17       | 201.95             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002573         | 372481.06        | 3781514.66       | 201.99             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002574         | 372472.11        | 3781540.13       | 201.98             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002575         | 372463.11        | 3781565.59       | 201.98             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002576         | 372453.42        | 3781590.77       | 201.98             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002577         | 372442.61        | 3781615.51       | 201.98             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002578         | 372431.31        | 3781640.03       | 201.97             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002579         | 372418.88        | 3781663.99       | 201.99             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002580         | 372405.83        | 3781687.62       | 201.41             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002581         | 372392.23        | 3781710.95       | 199.69             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002582         | 372378.56        | 3781734.23       | 200.91             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002583         | 372364.59        | 3781757.34       | 202.08             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002584         | 372349.27        | 3781779.55       | 202.22             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002585         | 372332.86        | 3781800.98       | 202.14             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002586         | 372316.52        | 3781822.47       | 202.12             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002587         | 372299.26        | 3781843.24       | 202.14             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002588         | 372281.25        | 3781863.35       | 202.10             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002589         | 372263.09        | 3781883.32       | 202.11             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAINLINE       | L0002590         | 372243.84        | 3781902.24       | 202.11             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002591         | 372224.10        | 3781920.66       | 202.04             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002592         | 372204.22        | 3781938.93       | 201.98             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002593         | 372183.55        | 3781956.30       | 201.98             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002594         | 372162.65        | 3781973.40       | 201.98             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002595         | 372141.75        | 3781990.48       | 201.98             | 1.00               | 5.05E-6             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAGRAMP        | L0002596         | 372591.49        | 3781329.38       | 193.85             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002597         | 372587.71        | 3781338.29       | 193.90             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002598         | 372583.70        | 3781347.10       | 193.94             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002599         | 372579.37        | 3781355.76       | 193.92             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002600         | 372575.05        | 3781364.42       | 194.09             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002601         | 372570.77        | 3781373.10       | 194.46             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002602         | 372566.49        | 3781381.79       | 194.99             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002603         | 372562.21        | 3781390.47       | 195.65             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002604         | 372557.92        | 3781399.15       | 195.87             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002605         | 372553.64        | 3781407.84       | 195.89             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002606         | 372549.36        | 3781416.52       | 196.28             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002607         | 372545.04        | 3781425.18       | 197.05             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002608         | 372540.71        | 3781433.84       | 197.85             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002609         | 372536.38        | 3781442.50       | 198.77             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002610         | 372532.27        | 3781451.27       | 198.88             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002611         | 372528.29        | 3781460.09       | 198.89             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002612         | 372524.32        | 3781468.92       | 198.90             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimencion [m] | Initial Vertical Dimencion [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAGRAMP        | L0002613         | 372520.34        | 3781477.75       | 199.57             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002614         | 372516.51        | 3781486.64       | 201.03             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002615         | 372512.70        | 3781495.54       | 202.07             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002616         | 372508.89        | 3781504.44       | 202.16             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002617         | 372505.08        | 3781513.34       | 201.47             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002618         | 372501.36        | 3781522.28       | 201.99             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002619         | 372497.73        | 3781531.26       | 202.23             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002620         | 372494.11        | 3781540.23       | 202.55             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002621         | 372490.48        | 3781549.21       | 202.24             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002622         | 372486.85        | 3781558.19       | 202.07             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002623         | 372483.23        | 3781567.16       | 201.50             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002624         | 372479.60        | 3781576.14       | 201.73             | 1.00               | 9.21E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimencion [m] | Initial Vertical Dimencion [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| BURBRAMP       | L0002625         | 372204.30        | 3782062.03       | 201.11             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002626         | 372203.99        | 3782052.33       | 201.42             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002627         | 372203.98        | 3782042.64       | 201.71             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002628         | 372204.51        | 3782032.96       | 201.94             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002629         | 372205.95        | 3782023.38       | 201.97             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002630         | 372208.07        | 3782013.93       | 201.99             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002631         | 372211.14        | 3782004.73       | 202.02             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002632         | 372214.51        | 3781995.65       | 202.05             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002633         | 372219.26        | 3781987.19       | 202.09             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002634         | 372224.23        | 3781978.87       | 202.23             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002635         | 372229.49        | 3781970.72       | 202.29             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| BURBRAMP       | L0002636         | 372234.98        | 3781962.73       | 202.31             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002637         | 372240.81        | 3781954.98       | 202.36             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002638         | 372246.66        | 3781947.25       | 202.31             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002639         | 372252.48        | 3781939.49       | 202.39             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002640         | 372257.99        | 3781931.51       | 202.39             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002641         | 372263.74        | 3781923.70       | 202.35             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002642         | 372269.66        | 3781916.02       | 202.33             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002643         | 372275.67        | 3781908.41       | 202.34             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002644         | 372281.69        | 3781900.80       | 202.28             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002645         | 372287.70        | 3781893.19       | 202.24             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002646         | 372293.55        | 3781885.46       | 202.37             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002647         | 372299.40        | 3781877.72       | 202.36             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002648         | 372305.25        | 3781869.98       | 202.26             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002649         | 372311.04        | 3781862.21       | 202.31             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002650         | 372316.76        | 3781854.37       | 202.30             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002651         | 372322.48        | 3781846.54       | 202.35             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002652         | 372328.20        | 3781838.71       | 202.30             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002653         | 372333.92        | 3781830.88       | 202.39             | 1.00               | 8.01E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |

# Control Pathway

AERMOD

## Dispersion Options

|                                                                                                                                  |                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Titles</b><br>C:\~Local TAHA Files\2017-014 Chandler Blvd HRA\11525 Chandler Blvd                                             |                                                                                                                                                                                                                        |
| <b>Dispersion Options</b><br><input checked="" type="checkbox"/> Regulatory Default <input type="checkbox"/> Non-Default Options | <b>Dispersion Coefficient</b><br>Urban      Population:<br>Name (Optional):<br>Roughness Length:                                                                                                                       |
|                                                                                                                                  | <b>Output Type</b><br><input checked="" type="checkbox"/> Concentration<br><input type="checkbox"/> Total Deposition (Dry & Wet)<br><input type="checkbox"/> Dry Deposition<br><input type="checkbox"/> Wet Deposition |
|                                                                                                                                  | <b>Plume Depletion</b><br><input type="checkbox"/> Dry Removal<br><input type="checkbox"/> Wet Removal                                                                                                                 |
|                                                                                                                                  | <b>Output Warnings</b><br><input type="checkbox"/> No Output Warnings<br><input type="checkbox"/> Non-fatal Warnings for Non-sequential Met Data                                                                       |

## Pollutant / Averaging Time / Terrain Options

|                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pollutant Type</b><br>OTHER - FRMLDHYD<br><br><b>Averaging Time Options</b><br>Hours <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input type="checkbox"/> 24<br><input type="checkbox"/> Month <input checked="" type="checkbox"/> Period <input type="checkbox"/> Annual | <b>Exponential Decay</b><br><del>Half-life of 4 hrs will be used</del><br><br><b>Terrain Height Options</b><br><input type="checkbox"/> Flat <input checked="" type="checkbox"/> Elevated      SO: Meters<br>RE: Meters<br>TG: Meters |
| <b>Flagpole Receptors</b><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Default Height = 10.00 m                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                       |



## Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

### Detailed Error Listing File

Filename: 11525 Chandler Blvd HRA.err

# Source Pathway - Source Inputs

AERMOD

# Source Pathway - Source Inputs

AERMOD

## Line Volume Sources

Source Type: LINE VOLUME

Source: BURBRAMP (NB 170 Burbank Ave Off-Ramp)

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 5.00                  | 0.00002                 | Surface-Based          | 372204.38                      | 3782064.52                     | 201.10                | 1.00                  |
|                       |                         |                        | 372203.83                      | 3782047.38                     | 201.70                | 1.00                  |
|                       |                         |                        | 372204.20                      | 3782035.83                     | 201.94                | 1.00                  |
|                       |                         |                        | 372205.10                      | 3782027.53                     | 201.96                | 1.00                  |
|                       |                         |                        | 372207.62                      | 3782015.26                     | 201.95                | 1.00                  |
|                       |                         |                        | 372211.05                      | 3782004.97                     | 201.91                | 1.00                  |
|                       |                         |                        | 372213.94                      | 3781996.67                     | 202.05                | 1.00                  |
|                       |                         |                        | 372219.71                      | 3781986.38                     | 202.11                | 1.00                  |
|                       |                         |                        | 372225.67                      | 3781976.46                     | 202.18                | 1.00                  |
|                       |                         |                        | 372233.61                      | 3781964.55                     | 202.25                | 1.00                  |
|                       |                         |                        | 372242.90                      | 3781952.19                     | 202.32                | 1.00                  |
|                       |                         |                        | 372251.64                      | 3781940.72                     | 202.40                | 1.00                  |
|                       |                         |                        | 372259.21                      | 3781929.75                     | 202.23                | 1.00                  |
|                       |                         |                        | 372266.84                      | 3781919.57                     | 202.32                | 1.00                  |
|                       |                         |                        | 372287.44                      | 3781893.53                     | 202.20                | 1.00                  |
|                       |                         |                        | 372308.50                      | 3781865.68                     | 202.18                | 1.00                  |
|                       |                         |                        | 372335.39                      | 3781828.86                     | 202.35                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

**Source Type:** LINE VOLUME

**Source:** MAGRAMP (Magnolia Blvd NB 170 On-Ramp)

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 5.00                  | 0.00002                 | Surface-Based          | 372592.47                      | 3781327.07                     | 193.77                | 1.00                  |
|                       |                         |                        | 372585.48                      | 3781343.55                     | 194.10                | 1.00                  |
|                       |                         |                        | 372575.74                      | 3781363.03                     | 193.99                | 1.00                  |
|                       |                         |                        | 372548.77                      | 3781417.71                     | 196.49                | 1.00                  |
|                       |                         |                        | 372534.64                      | 3781445.99                     | 198.83                | 1.00                  |
|                       |                         |                        | 372519.73                      | 3781479.10                     | 199.21                | 1.00                  |
|                       |                         |                        | 372503.14                      | 3781517.89                     | 201.62                | 1.00                  |
|                       |                         |                        | 372478.66                      | 3781578.46                     | 202.05                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME

Source: MAINLINE

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 27.00                 | 0.00086                 | Surface-Based          | 372547.35                      | 3781323.32                     | 194.84                | 1.00                  |
|                       |                         |                        | 372536.72                      | 3781354.45                     | 195.88                | 1.00                  |
|                       |                         |                        | 372520.12                      | 3781402.69                     | 196.91                | 1.00                  |
|                       |                         |                        | 372499.10                      | 3781463.15                     | 199.12                | 1.00                  |
|                       |                         |                        | 372474.62                      | 3781533.02                     | 201.98                | 1.00                  |
|                       |                         |                        | 372457.63                      | 3781581.11                     | 201.98                | 1.00                  |
|                       |                         |                        | 372447.68                      | 3781603.96                     | 201.98                | 1.00                  |
|                       |                         |                        | 372437.32                      | 3781627.55                     | 201.96                | 1.00                  |
|                       |                         |                        | 372426.07                      | 3781650.93                     | 202.01                | 1.00                  |
|                       |                         |                        | 372406.49                      | 3781686.49                     | 201.77                | 1.00                  |
|                       |                         |                        | 372380.96                      | 3781730.27                     | 200.70                | 1.00                  |
|                       |                         |                        | 372361.50                      | 3781762.44                     | 202.23                | 1.00                  |
|                       |                         |                        | 372344.21                      | 3781786.63                     | 202.16                | 1.00                  |
|                       |                         |                        | 372327.49                      | 3781807.77                     | 202.06                | 1.00                  |
|                       |                         |                        | 372317.14                      | 3781821.73                     | 202.14                | 1.00                  |
|                       |                         |                        | 372295.67                      | 3781847.56                     | 202.13                | 1.00                  |
|                       |                         |                        | 372278.57                      | 3781866.29                     | 202.09                | 1.00                  |
|                       |                         |                        | 372259.80                      | 3781886.93                     | 202.10                | 1.00                  |
|                       |                         |                        | 372236.93                      | 3781908.86                     | 202.08                | 1.00                  |
|                       |                         |                        | 372202.53                      | 3781940.48                     | 201.98                | 1.00                  |
|                       |                         |                        | 372182.68                      | 3781957.02                     | 201.98                | 1.00                  |
|                       |                         |                        | 372134.38                      | 3781996.50                     | 201.98                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

## Volume Sources Generated from Line Sources

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAINLINE       | L0002918         | 372542.99        | 3781336.09       | 195.68             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002919         | 372534.24        | 3781361.64       | 195.88             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002920         | 372525.46        | 3781387.17       | 195.91             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002921         | 372516.64        | 3781412.69       | 198.37             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002922         | 372507.78        | 3781438.19       | 198.88             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002923         | 372498.91        | 3781463.69       | 199.13             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002924         | 372489.98        | 3781489.17       | 201.95             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002925         | 372481.06        | 3781514.66       | 201.99             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002926         | 372472.11        | 3781540.13       | 201.98             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002927         | 372463.11        | 3781565.59       | 201.98             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002928         | 372453.42        | 3781590.77       | 201.98             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002929         | 372442.61        | 3781615.51       | 201.98             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002930         | 372431.31        | 3781640.03       | 201.97             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002931         | 372418.88        | 3781663.99       | 201.99             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002932         | 372405.83        | 3781687.62       | 201.41             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002933         | 372392.23        | 3781710.95       | 199.69             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002934         | 372378.56        | 3781734.23       | 200.91             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002935         | 372364.59        | 3781757.34       | 202.08             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002936         | 372349.27        | 3781779.55       | 202.22             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002937         | 372332.86        | 3781800.98       | 202.14             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002938         | 372316.52        | 3781822.47       | 202.12             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002939         | 372299.26        | 3781843.24       | 202.14             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002940         | 372281.25        | 3781863.35       | 202.10             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002941         | 372263.09        | 3781883.32       | 202.11             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |



# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAINLINE       | L0002942         | 372243.84        | 3781902.24       | 202.11             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002943         | 372224.10        | 3781920.66       | 202.04             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002944         | 372204.22        | 3781938.93       | 201.98             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002945         | 372183.55        | 3781956.30       | 201.98             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002946         | 372162.65        | 3781973.40       | 201.98             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002947         | 372141.75        | 3781990.48       | 201.98             | 1.00               | 0.00003             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAGRAMP        | L0002948         | 372591.49        | 3781329.38       | 193.85             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002949         | 372587.71        | 3781338.29       | 193.90             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002950         | 372583.70        | 3781347.10       | 193.94             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002951         | 372579.37        | 3781355.76       | 193.92             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002952         | 372575.05        | 3781364.42       | 194.09             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002953         | 372570.77        | 3781373.10       | 194.46             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002954         | 372566.49        | 3781381.79       | 194.99             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002955         | 372562.21        | 3781390.47       | 195.65             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002956         | 372557.92        | 3781399.15       | 195.87             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002957         | 372553.64        | 3781407.84       | 195.89             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002958         | 372549.36        | 3781416.52       | 196.28             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002959         | 372545.04        | 3781425.18       | 197.05             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002960         | 372540.71        | 3781433.84       | 197.85             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002961         | 372536.38        | 3781442.50       | 198.77             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002962         | 372532.27        | 3781451.27       | 198.88             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002963         | 372528.29        | 3781460.09       | 198.89             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002964         | 372524.32        | 3781468.92       | 198.90             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimencion [m] | Initial Vertical Dimencion [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAGRAMP        | L0002965         | 372520.34        | 3781477.75       | 199.57             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002966         | 372516.51        | 3781486.64       | 201.03             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002967         | 372512.70        | 3781495.54       | 202.07             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002968         | 372508.89        | 3781504.44       | 202.16             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002969         | 372505.08        | 3781513.34       | 201.47             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002970         | 372501.36        | 3781522.28       | 201.99             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002971         | 372497.73        | 3781531.26       | 202.23             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002972         | 372494.11        | 3781540.23       | 202.55             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002973         | 372490.48        | 3781549.21       | 202.24             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002974         | 372486.85        | 3781558.19       | 202.07             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002975         | 372483.23        | 3781567.16       | 201.50             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002976         | 372479.60        | 3781576.14       | 201.73             | 1.00               | 6.84E-7             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimencion [m] | Initial Vertical Dimencion [m] |
| BURBRAMP       | L0002977         | 372204.30        | 3782062.03       | 201.11             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002978         | 372203.99        | 3782052.33       | 201.42             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002979         | 372203.98        | 3782042.64       | 201.71             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002980         | 372204.51        | 3782032.96       | 201.94             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002981         | 372205.95        | 3782023.38       | 201.97             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002982         | 372208.07        | 3782013.93       | 201.99             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002983         | 372211.14        | 3782004.73       | 202.02             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002984         | 372214.51        | 3781995.65       | 202.05             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002985         | 372219.26        | 3781987.19       | 202.09             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002986         | 372224.23        | 3781978.87       | 202.23             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002987         | 372229.49        | 3781970.72       | 202.29             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| BURBRAMP       | L0002988         | 372234.98        | 3781962.73       | 202.31             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002989         | 372240.81        | 3781954.98       | 202.36             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002990         | 372246.66        | 3781947.25       | 202.31             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002991         | 372252.48        | 3781939.49       | 202.39             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002992         | 372257.99        | 3781931.51       | 202.39             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002993         | 372263.74        | 3781923.70       | 202.35             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002994         | 372269.66        | 3781916.02       | 202.33             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002995         | 372275.67        | 3781908.41       | 202.34             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002996         | 372281.69        | 3781900.80       | 202.28             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002997         | 372287.70        | 3781893.19       | 202.24             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002998         | 372293.55        | 3781885.46       | 202.37             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002999         | 372299.40        | 3781877.72       | 202.36             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0003000         | 372305.25        | 3781869.98       | 202.26             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0003001         | 372311.04        | 3781862.21       | 202.31             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0003002         | 372316.76        | 3781854.37       | 202.30             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0003003         | 372322.48        | 3781846.54       | 202.35             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0003004         | 372328.20        | 3781838.71       | 202.30             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0003005         | 372333.92        | 3781830.88       | 202.39             | 1.00               | 5.95E-7             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |

# Control Pathway

AERMOD

## Dispersion Options

|                                                                                                                                  |                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Titles</b><br>C:\-Local TAHA Files\2017-014 Chandler Blvd HRA\11525 Chandler Blvd                                             |                                                                                                                                                                                                                        |
| <b>Dispersion Options</b><br><input checked="" type="checkbox"/> Regulatory Default <input type="checkbox"/> Non-Default Options | <b>Dispersion Coefficient</b><br>Urban      Population:<br>Name (Optional):<br>Roughness Length:                                                                                                                       |
|                                                                                                                                  | <b>Output Type</b><br><input checked="" type="checkbox"/> Concentration<br><input type="checkbox"/> Total Deposition (Dry & Wet)<br><input type="checkbox"/> Dry Deposition<br><input type="checkbox"/> Wet Deposition |
|                                                                                                                                  | <b>Plume Depletion</b><br><input type="checkbox"/> Dry Removal<br><input type="checkbox"/> Wet Removal                                                                                                                 |
|                                                                                                                                  | <b>Output Warnings</b><br><input type="checkbox"/> No Output Warnings<br><input type="checkbox"/> Non-fatal Warnings for Non-sequential Met Data                                                                       |

## Pollutant / Averaging Time / Terrain Options

|                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pollutant Type</b><br>OTHER - NPHTHLEN                                                                                                                                                                                                                                                                                                                                                | <b>Exponential Decay</b><br><input checked="" type="checkbox"/> Half-life of 4 hrs will be used                                                         |
| <b>Averaging Time Options</b><br>Hours <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input type="checkbox"/> 24<br><input type="checkbox"/> Month <input checked="" type="checkbox"/> Period <input type="checkbox"/> Annual | <b>Terrain Height Options</b><br><input type="checkbox"/> Flat <input checked="" type="checkbox"/> Elevated      SO: Meters<br>RE: Meters<br>TG: Meters |
| <b>Flagpole Receptors</b><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Default Height = 10.00 m                                                                                                                                                                                                                                                             |                                                                                                                                                         |

## Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

### Detailed Error Listing File

Filename: 11525 Chandler Blvd HRA.err

# Source Pathway - Source Inputs

AERMOD



# Source Pathway - Source Inputs

AERMOD

## Line Volume Sources

Source Type: LINE VOLUME

Source: BURBRAMP (NB 170 Burbank Ave Off-Ramp)

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 5.00                  | 3.14E-7                 | Surface-Based          | 372204.38                      | 3782064.52                     | 201.10                | 1.00                  |
|                       |                         |                        | 372203.83                      | 3782047.38                     | 201.70                | 1.00                  |
|                       |                         |                        | 372204.20                      | 3782035.83                     | 201.94                | 1.00                  |
|                       |                         |                        | 372205.10                      | 3782027.53                     | 201.96                | 1.00                  |
|                       |                         |                        | 372207.62                      | 3782015.26                     | 201.95                | 1.00                  |
|                       |                         |                        | 372211.05                      | 3782004.97                     | 201.91                | 1.00                  |
|                       |                         |                        | 372213.94                      | 3781996.67                     | 202.05                | 1.00                  |
|                       |                         |                        | 372219.71                      | 3781986.38                     | 202.11                | 1.00                  |
|                       |                         |                        | 372225.67                      | 3781976.46                     | 202.18                | 1.00                  |
|                       |                         |                        | 372233.61                      | 3781964.55                     | 202.25                | 1.00                  |
|                       |                         |                        | 372242.90                      | 3781952.19                     | 202.32                | 1.00                  |
|                       |                         |                        | 372251.64                      | 3781940.72                     | 202.40                | 1.00                  |
|                       |                         |                        | 372259.21                      | 3781929.75                     | 202.23                | 1.00                  |
|                       |                         |                        | 372266.84                      | 3781919.57                     | 202.32                | 1.00                  |
|                       |                         |                        | 372287.44                      | 3781893.53                     | 202.20                | 1.00                  |
|                       |                         |                        | 372308.50                      | 3781865.68                     | 202.18                | 1.00                  |
|                       |                         |                        | 372335.39                      | 3781828.86                     | 202.35                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

**Source Type:** LINE VOLUME

**Source:** MAGRAMP (Magnolia Blvd NB 170 On-Ramp)

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 5.00                  | 3.61E-7                 | Surface-Based          | 372592.47                      | 3781327.07                     | 193.77                | 1.00                  |
|                       |                         |                        | 372585.48                      | 3781343.55                     | 194.10                | 1.00                  |
|                       |                         |                        | 372575.74                      | 3781363.03                     | 193.99                | 1.00                  |
|                       |                         |                        | 372548.77                      | 3781417.71                     | 196.49                | 1.00                  |
|                       |                         |                        | 372534.64                      | 3781445.99                     | 198.83                | 1.00                  |
|                       |                         |                        | 372519.73                      | 3781479.10                     | 199.21                | 1.00                  |
|                       |                         |                        | 372503.14                      | 3781517.89                     | 201.62                | 1.00                  |
|                       |                         |                        | 372478.66                      | 3781578.46                     | 202.05                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME

Source: MAINLINE

| Length of Side<br>[m] | Emission Rate<br>[g/ s] | Building Height<br>[m] | X Coordinate for Points<br>[m] | Y Coordinate for points<br>[m] | Base Elevation<br>[m] | Release Height<br>[m] |
|-----------------------|-------------------------|------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------|
| 27.00                 | 0.00002                 | Surface-Based          | 372547.35                      | 3781323.32                     | 194.84                | 1.00                  |
|                       |                         |                        | 372536.72                      | 3781354.45                     | 195.88                | 1.00                  |
|                       |                         |                        | 372520.12                      | 3781402.69                     | 196.91                | 1.00                  |
|                       |                         |                        | 372499.10                      | 3781463.15                     | 199.12                | 1.00                  |
|                       |                         |                        | 372474.62                      | 3781533.02                     | 201.98                | 1.00                  |
|                       |                         |                        | 372457.63                      | 3781581.11                     | 201.98                | 1.00                  |
|                       |                         |                        | 372447.68                      | 3781603.96                     | 201.98                | 1.00                  |
|                       |                         |                        | 372437.32                      | 3781627.55                     | 201.96                | 1.00                  |
|                       |                         |                        | 372426.07                      | 3781650.93                     | 202.01                | 1.00                  |
|                       |                         |                        | 372406.49                      | 3781686.49                     | 201.77                | 1.00                  |
|                       |                         |                        | 372380.96                      | 3781730.27                     | 200.70                | 1.00                  |
|                       |                         |                        | 372361.50                      | 3781762.44                     | 202.23                | 1.00                  |
|                       |                         |                        | 372344.21                      | 3781786.63                     | 202.16                | 1.00                  |
|                       |                         |                        | 372327.49                      | 3781807.77                     | 202.06                | 1.00                  |
|                       |                         |                        | 372317.14                      | 3781821.73                     | 202.14                | 1.00                  |
|                       |                         |                        | 372295.67                      | 3781847.56                     | 202.13                | 1.00                  |
|                       |                         |                        | 372278.57                      | 3781866.29                     | 202.09                | 1.00                  |
|                       |                         |                        | 372259.80                      | 3781886.93                     | 202.10                | 1.00                  |
|                       |                         |                        | 372236.93                      | 3781908.86                     | 202.08                | 1.00                  |
|                       |                         |                        | 372202.53                      | 3781940.48                     | 201.98                | 1.00                  |
|                       |                         |                        | 372182.68                      | 3781957.02                     | 201.98                | 1.00                  |
|                       |                         |                        | 372134.38                      | 3781996.50                     | 201.98                | 1.00                  |

# Source Pathway - Source Inputs

AERMOD

## Volume Sources Generated from Line Sources

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAINLINE       | L0002830         | 372542.99        | 3781336.09       | 195.68             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002831         | 372534.24        | 3781361.64       | 195.88             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002832         | 372525.46        | 3781387.17       | 195.91             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002833         | 372516.64        | 3781412.69       | 198.37             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002834         | 372507.78        | 3781438.19       | 198.88             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002835         | 372498.91        | 3781463.69       | 199.13             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002836         | 372489.98        | 3781489.17       | 201.95             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002837         | 372481.06        | 3781514.66       | 201.99             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002838         | 372472.11        | 3781540.13       | 201.98             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002839         | 372463.11        | 3781565.59       | 201.98             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002840         | 372453.42        | 3781590.77       | 201.98             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002841         | 372442.61        | 3781615.51       | 201.98             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002842         | 372431.31        | 3781640.03       | 201.97             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002843         | 372418.88        | 3781663.99       | 201.99             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002844         | 372405.83        | 3781687.62       | 201.41             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002845         | 372392.23        | 3781710.95       | 199.69             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002846         | 372378.56        | 3781734.23       | 200.91             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002847         | 372364.59        | 3781757.34       | 202.08             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002848         | 372349.27        | 3781779.55       | 202.22             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002849         | 372332.86        | 3781800.98       | 202.14             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002850         | 372316.52        | 3781822.47       | 202.12             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002851         | 372299.26        | 3781843.24       | 202.14             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002852         | 372281.25        | 3781863.35       | 202.10             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002853         | 372263.09        | 3781883.32       | 202.11             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAINLINE       | L0002854         | 372243.84        | 3781902.24       | 202.11             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002855         | 372224.10        | 3781920.66       | 202.04             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002856         | 372204.22        | 3781938.93       | 201.98             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002857         | 372183.55        | 3781956.30       | 201.98             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002858         | 372162.65        | 3781973.40       | 201.98             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |
|                | L0002859         | 372141.75        | 3781990.48       | 201.98             | 1.00               | 6.47E-7             | 27.00              | Surface-Based       | 12.56                         | 1.40                           |

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAGRAMP        | L0002860         | 372591.49        | 3781329.38       | 193.85             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002861         | 372587.71        | 3781338.29       | 193.90             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002862         | 372583.70        | 3781347.10       | 193.94             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002863         | 372579.37        | 3781355.76       | 193.92             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002864         | 372575.05        | 3781364.42       | 194.09             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002865         | 372570.77        | 3781373.10       | 194.46             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002866         | 372566.49        | 3781381.79       | 194.99             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002867         | 372562.21        | 3781390.47       | 195.65             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002868         | 372557.92        | 3781399.15       | 195.87             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002869         | 372553.64        | 3781407.84       | 195.89             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002870         | 372549.36        | 3781416.52       | 196.28             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002871         | 372545.04        | 3781425.18       | 197.05             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002872         | 372540.71        | 3781433.84       | 197.85             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002873         | 372536.38        | 3781442.50       | 198.77             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002874         | 372532.27        | 3781451.27       | 198.88             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002875         | 372528.29        | 3781460.09       | 198.89             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002876         | 372524.32        | 3781468.92       | 198.90             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |

# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimencion [m] | Initial Vertical Dimencion [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| MAGRAMP        | L0002877         | 372520.34        | 3781477.75       | 199.57             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002878         | 372516.51        | 3781486.64       | 201.03             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002879         | 372512.70        | 3781495.54       | 202.07             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002880         | 372508.89        | 3781504.44       | 202.16             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002881         | 372505.08        | 3781513.34       | 201.47             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002882         | 372501.36        | 3781522.28       | 201.99             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002883         | 372497.73        | 3781531.26       | 202.23             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002884         | 372494.11        | 3781540.23       | 202.55             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002885         | 372490.48        | 3781549.21       | 202.24             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002886         | 372486.85        | 3781558.19       | 202.07             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002887         | 372483.23        | 3781567.16       | 201.50             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
|                | L0002888         | 372479.60        | 3781576.14       | 201.73             | 1.00               | 1.24E-8             | 5.00               | Surface-Based       | 4.50                          | 1.40                           |
| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimencion [m] | Initial Vertical Dimencion [m] |
| BURBRAMP       | L0002889         | 372204.30        | 3782062.03       | 201.11             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002890         | 372203.99        | 3782052.33       | 201.42             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002891         | 372203.98        | 3782042.64       | 201.71             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002892         | 372204.51        | 3782032.96       | 201.94             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002893         | 372205.95        | 3782023.38       | 201.97             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002894         | 372208.07        | 3782013.93       | 201.99             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002895         | 372211.14        | 3782004.73       | 202.02             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002896         | 372214.51        | 3781995.65       | 202.05             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002897         | 372219.26        | 3781987.19       | 202.09             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002898         | 372224.23        | 3781978.87       | 202.23             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002899         | 372229.49        | 3781970.72       | 202.29             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |



# Source Pathway - Source Inputs

AERMOD

| Line Source ID | Volume Source ID | X Coordinate [m] | Y Coordinate [m] | Base Elevation [m] | Release Height [m] | Emission Rate [g/s] | Length of Side [m] | Building Height [m] | Initial Lateral Dimension [m] | Initial Vertical Dimension [m] |
|----------------|------------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------|--------------------------------|
| BURBRAMP       | L0002900         | 372234.98        | 3781962.73       | 202.31             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002901         | 372240.81        | 3781954.98       | 202.36             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002902         | 372246.66        | 3781947.25       | 202.31             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002903         | 372252.48        | 3781939.49       | 202.39             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002904         | 372257.99        | 3781931.51       | 202.39             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002905         | 372263.74        | 3781923.70       | 202.35             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002906         | 372269.66        | 3781916.02       | 202.33             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002907         | 372275.67        | 3781908.41       | 202.34             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002908         | 372281.69        | 3781900.80       | 202.28             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002909         | 372287.70        | 3781893.19       | 202.24             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002910         | 372293.55        | 3781885.46       | 202.37             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002911         | 372299.40        | 3781877.72       | 202.36             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002912         | 372305.25        | 3781869.98       | 202.26             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002913         | 372311.04        | 3781862.21       | 202.31             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002914         | 372316.76        | 3781854.37       | 202.30             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002915         | 372322.48        | 3781846.54       | 202.35             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002916         | 372328.20        | 3781838.71       | 202.30             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |
|                | L0002917         | 372333.92        | 3781830.88       | 202.39             | 1.00               | 1.08E-8             | 5.00               | Surface-Based       | 4.51                          | 1.40                           |

## AERMOD Output Files

- Diesel Particulate Matter
- Acetaldehyde
- Acrolein
- Benzene
- 1,3-Butadiene
- Formaldehyde
- Naphthalene

## Results Summary

C:\~Local TAHA Files\2017-014 Chandler Blvd HRA\11525 Chandler Blvd

### DPM - Concentration - Source Group: ALL

| Averaging Period | Rank | Peak    | Units  | X (m)     | Y (m)      | ZELEV (m) | ZFLAG (m) | ZHILL (m) | Peak Date, Start Hour |
|------------------|------|---------|--------|-----------|------------|-----------|-----------|-----------|-----------------------|
| 1-HR             | 1ST  | 0.02542 | ug/m^3 | 372504.00 | 3781731.00 | 193.44    | 10.00     | 201.44    | 11/4/2010, 17         |
| PERIOD           |      | 0.01087 | ug/m^3 | 372504.00 | 3781731.00 | 193.44    | 10.00     | 201.44    |                       |

## Results Summary

C:\~Local TAHA Files\2017-014 Chandler Blvd HRA\11525 Chandler Blvd

### ACTLDHYD - Concentration - Source Group: ALL

| Averaging Period | Rank | Peak    | Units  | X (m)     | Y (m)      | ZELEV (m) | ZFLAG (m) | ZHILL (m) | Peak Date, Start Hour |
|------------------|------|---------|--------|-----------|------------|-----------|-----------|-----------|-----------------------|
| 1-HR             | 1ST  | 0.01966 | ug/m^3 | 372504.00 | 3781731.00 | 193.44    | 10.00     | 201.44    | 11/4/2010, 17         |
| PERIOD           |      | 0.00841 | ug/m^3 | 372504.00 | 3781731.00 | 193.44    | 10.00     | 201.44    |                       |

## Results Summary

C:\~Local TAHA Files\2017-014 Chandler Blvd HRA\11525 Chandler Blvd

### ACROLEIN - Concentration - Source Group: ALL

| Averaging Period | Rank | Peak    | Units  | X (m)     | Y (m)      | ZELEV (m) | ZFLAG (m) | ZHILL (m) | Peak Date, Start Hour |
|------------------|------|---------|--------|-----------|------------|-----------|-----------|-----------|-----------------------|
| 1-HR             | 1ST  | 0.00473 | ug/m^3 | 372504.00 | 3781731.00 | 193.44    | 10.00     | 201.44    | 11/4/2010, 17         |
| PERIOD           |      | 0.00202 | ug/m^3 | 372504.00 | 3781731.00 | 193.44    | 10.00     | 201.44    |                       |

## Results Summary

C:\~Local TAHA Files\2017-014 Chandler Blvd HRA\11525 Chandler Blvd

### BENZENE - Concentration - Source Group: ALL

| Averaging Period | Rank | Peak    | Units  | X (m)     | Y (m)      | ZELEV (m) | ZFLAG (m) | ZHILL (m) | Peak Date, Start Hour |
|------------------|------|---------|--------|-----------|------------|-----------|-----------|-----------|-----------------------|
| 1-HR             | 1ST  | 0.04338 | ug/m^3 | 372504.00 | 3781731.00 | 193.44    | 10.00     | 201.44    | 11/4/2010, 17         |
| PERIOD           |      | 0.01854 | ug/m^3 | 372504.00 | 3781731.00 | 193.44    | 10.00     | 201.44    |                       |

## Results Summary

C:\~Local TAHA Files\2017-014 Chandler Blvd HRA\11525 Chandler Blvd

### BUTADIEN - Concentration - Source Group: ALL

| Averaging Period | Rank | Peak    | Units  | X (m)     | Y (m)      | ZELEV (m) | ZFLAG (m) | ZHILL (m) | Peak Date, Start Hour |
|------------------|------|---------|--------|-----------|------------|-----------|-----------|-----------|-----------------------|
| 1-HR             | 1ST  | 0.00954 | ug/m^3 | 372504.00 | 3781731.00 | 193.44    | 10.00     | 201.44    | 11/4/2010, 17         |
| PERIOD           |      | 0.00408 | ug/m^3 | 372504.00 | 3781731.00 | 193.44    | 10.00     | 201.44    |                       |



## Results Summary

C:\~Local TAHA Files\2017-014 Chandler Blvd HRA\11525 Chandler Blvd

### FRMLDHYD - Concentration - Source Group: ALL

| Averaging Period | Rank | Peak    | Units  | X (m)     | Y (m)      | ZELEV (m) | ZFLAG (m) | ZHILL (m) | Peak Date, Start Hour |
|------------------|------|---------|--------|-----------|------------|-----------|-----------|-----------|-----------------------|
| 1-HR             | 1ST  | 0.05419 | ug/m^3 | 372504.00 | 3781731.00 | 193.44    | 10.00     | 201.44    | 11/4/2010, 17         |
| PERIOD           |      | 0.02317 | ug/m^3 | 372504.00 | 3781731.00 | 193.44    | 10.00     | 201.44    |                       |

# Results Summary

C:\~Local TAHA Files\2017-014 Chandler Blvd HRA\11525 Chandler Blvd

## NPHTHLEN - Concentration - Source Group: ALL

| Averaging Period | Rank | Peak    | Units  | X (m)     | Y (m)      | ZELEV (m) | ZFLAG (m) | ZHILL (m) | Peak Date, Start Hour |
|------------------|------|---------|--------|-----------|------------|-----------|-----------|-----------|-----------------------|
| 1-HR             | 1ST  | 0.00122 | ug/m^3 | 372504.00 | 3781731.00 | 193.44    | 10.00     | 201.44    | 11/4/2010, 17         |
| PERIOD           |      | 0.00052 | ug/m^3 | 372504.00 | 3781731.00 | 193.44    | 10.00     | 201.44    |                       |

## Carcinogenic Risk Calculations

- Carcinogenic Risk Worksheet

### CARCINOGENIC RISK CALCULATIONS

| DPM                             | [Pollutant] * (BR/BW) * CF * A * EF |       |          |   |                        |                |     |      |                 |            | Dose * ASF * FAH * CPF * ED/AT * 1,000,000 |                    |
|---------------------------------|-------------------------------------|-------|----------|---|------------------------|----------------|-----|------|-----------------|------------|--------------------------------------------|--------------------|
|                                 | Concentration (ug/m3)               | BR/BW | CF       | A | EF (350 days/365 days) | Dose (mg/kg/d) | ASF | FAH  | CPF (kg-day/mg) | ED (years) | AT (Years)                                 | Risk (per million) |
| 3rd Trimester                   | 0.01087                             | 361   | 0.000001 | 1 | 0.96                   | 3.77E-06       | 10  | 0.85 | 1.1             | 0.25       | 70                                         | 0.13               |
| Infant                          | 0.01087                             | 1090  | 0.000001 | 1 | 0.96                   | 1.14E-05       | 10  | 0.85 | 1.1             | 2          | 70                                         | 3.04               |
| Child                           | 0.01087                             | 745   | 0.000001 | 1 | 0.96                   | 7.77E-06       | 3   | 0.72 | 1.1             | 14         | 70                                         | 3.69               |
| Adult                           | 0.01087                             | 335   | 0.000001 | 1 | 0.96                   | 3.50E-06       | 1   | 0.73 | 1.1             | 14         | 70                                         | 0.56               |
| Total (Unmitigated)             |                                     |       |          |   |                        |                |     |      |                 |            |                                            | 7.42               |
| Mitigated (MERV 13 = 85% Redux) |                                     |       |          |   |                        |                |     |      |                 |            |                                            | 1.11               |
|                                 |                                     |       |          |   |                        |                |     |      |                 |            |                                            |                    |
| Benzene                         | Concentration (ug/m3)               | BR/BW | CF       | A | EF (350 days/365 days) | Dose (mg/kg/d) | ASF | FAH  | CPF (kg-day/mg) | ED (years) | AT (Years)                                 | Risk (per million) |
| 3rd Trimester                   | 0.01854                             | 361   | 0.000001 | 1 | 0.96                   | 6.43E-06       | 10  | 0.85 | 0.1             | 0.25       | 70                                         | 0.02               |
| Infant                          | 0.01854                             | 1090  | 0.000001 | 1 | 0.96                   | 1.94E-05       | 10  | 0.85 | 0.1             | 2          | 70                                         | 0.47               |
| Child                           | 0.01854                             | 745   | 0.000001 | 1 | 0.96                   | 1.33E-05       | 3   | 0.72 | 0.1             | 14         | 70                                         | 0.57               |
| Adult                           | 0.01854                             | 335   | 0.000001 | 1 | 0.96                   | 5.96E-06       | 1   | 0.73 | 0.1             | 14         | 70                                         | 0.09               |
| Total                           |                                     |       |          |   |                        |                |     |      |                 |            |                                            | 1.15               |
|                                 |                                     |       |          |   |                        |                |     |      |                 |            |                                            |                    |
| Acetaldehyde                    | Concentration (ug/m3)               | BR/BW | CF       | A | EF (350 days/365 days) | Dose (mg/kg/d) | ASF | FAH  | CPF (kg-day/mg) | ED (years) | AT (Years)                                 | Risk (per million) |
| 3rd Trimester                   | 0.00841                             | 361   | 0.000001 | 1 | 0.96                   | 2.91E-06       | 10  | 0.85 | 0.01            | 0.25       | 70                                         | 0.001              |
| Infant                          | 0.00841                             | 1090  | 0.000001 | 1 | 0.96                   | 8.80E-06       | 10  | 0.85 | 0.01            | 2          | 70                                         | 0.021              |
| Child                           | 0.00841                             | 745   | 0.000001 | 1 | 0.96                   | 6.01E-06       | 3   | 0.72 | 0.01            | 14         | 70                                         | 0.026              |
| Adult                           | 0.00841                             | 335   | 0.000001 | 1 | 0.96                   | 2.70E-06       | 1   | 0.73 | 0.01            | 14         | 70                                         | 0.004              |
| Total                           |                                     |       |          |   |                        |                |     |      |                 |            |                                            | 0.052              |
|                                 |                                     |       |          |   |                        |                |     |      |                 |            |                                            |                    |
| Formaldehyde                    | Concentration (ug/m3)               | BR/BW | CF       | A | EF (350 days/365 days) | Dose (mg/kg/d) | ASF | FAH  | CPF (kg-day/mg) | ED (years) | AT (Years)                                 | Risk (per million) |
| 3rd Trimester                   | 0.02317                             | 361   | 0.000001 | 1 | 0.96                   | 8.03E-06       | 10  | 0.85 | 0.021           | 0.25       | 70                                         | 0.01               |
| Infant                          | 0.02317                             | 1090  | 0.000001 | 1 | 0.96                   | 2.42E-05       | 10  | 0.85 | 0.021           | 2          | 70                                         | 0.12               |
| Child                           | 0.02317                             | 745   | 0.000001 | 1 | 0.96                   | 1.66E-05       | 3   | 0.72 | 0.021           | 14         | 70                                         | 0.15               |
| Adult                           | 0.02317                             | 335   | 0.000001 | 1 | 0.96                   | 7.45E-06       | 1   | 0.73 | 0.021           | 14         | 70                                         | 0.02               |
| Total                           |                                     |       |          |   |                        |                |     |      |                 |            |                                            | 0.30               |
|                                 |                                     |       |          |   |                        |                |     |      |                 |            |                                            |                    |
| Butadiene                       | Concentration (ug/m3)               | BR/BW | CF       | A | EF (350 days/365 days) | Dose (mg/kg/d) | ASF | FAH  | CPF (kg-day/mg) | ED (years) | AT (Years)                                 | Risk (per million) |
| 3rd Trimester                   | 0.00408                             | 361   | 0.000001 | 1 | 0.96                   | 1.41E-06       | 10  | 0.85 | 0.6             | 0.25       | 70                                         | 0.03               |
| Infant                          | 0.00408                             | 1090  | 0.000001 | 1 | 0.96                   | 4.27E-06       | 10  | 0.85 | 0.6             | 2          | 70                                         | 0.62               |
| Child                           | 0.00408                             | 745   | 0.000001 | 1 | 0.96                   | 2.92E-06       | 3   | 0.72 | 0.6             | 14         | 70                                         | 0.76               |
| Adult                           | 0.00408                             | 335   | 0.000001 | 1 | 0.96                   | 1.31E-06       | 1   | 0.73 | 0.6             | 14         | 70                                         | 0.11               |
| Total                           |                                     |       |          |   |                        |                |     |      |                 |            |                                            | 1.52               |
|                                 |                                     |       |          |   |                        |                |     |      |                 |            |                                            |                    |
| Naphthalene                     | Concentration (ug/m3)               | BR/BW | CF       | A | EF (350 days/365 days) | Dose (mg/kg/d) | ASF | FAH  | CPF (kg-day/mg) | ED (years) | AT (Years)                                 | Risk (per million) |
| 3rd Trimester                   | 0.00052                             | 361   | 0.000001 | 1 | 0.96                   | 1.80E-07       | 10  | 0.85 | 0.12            | 0.25       | 70                                         | 0.001              |
| Infant                          | 0.00052                             | 1090  | 0.000001 | 1 | 0.96                   | 5.44E-07       | 10  | 0.85 | 0.12            | 2          | 70                                         | 0.016              |
| Child                           | 0.00052                             | 745   | 0.000001 | 1 | 0.96                   | 3.72E-07       | 3   | 0.72 | 0.12            | 14         | 70                                         | 0.019              |
| Adult                           | 0.00052                             | 335   | 0.000001 | 1 | 0.96                   | 1.67E-07       | 1   | 0.73 | 0.12            | 14         | 70                                         | 0.003              |
| Total                           |                                     |       |          |   |                        |                |     |      |                 |            |                                            | 0.04               |
| Grand Total                     |                                     |       |          |   |                        |                |     |      |                 |            |                                            | 10.48              |
| Mitigated (MERV 13) Total       |                                     |       |          |   |                        |                |     |      |                 |            |                                            | 4.18               |

## Non-Carcinogenic Hazard Calculations

- Non-Carcinogenic Hazards  
Worksheet

### NON-CARCINOGENIC HAZARD CALCULATIONS

#### Chronic Hazard Quotients

| Pollutant            | Maximum Annual Average Concentration (ug/m3) | REL (ug/m3) | HQ       |
|----------------------|----------------------------------------------|-------------|----------|
| DPM                  | 0.01087                                      | 5           | 2.17E-03 |
| Acetaldehyde         | 0.00841                                      | 140         | 6.01E-05 |
| Acrolein             | 0.00202                                      | 0.35        | 5.77E-03 |
| Benzene              | 0.01854                                      | 3           | 6.18E-03 |
| 1,3,-Butadiene       | 0.00408                                      | 2           | 2.04E-03 |
| Formaldehyde         | 0.02317                                      | 9           | 2.57E-03 |
| Naphthalene          | 0.00052                                      | 9           | 5.78E-05 |
| Chronic Hazard Index |                                              |             | 0.02     |

#### Acute Hazard Quotients

| Pollutant          | Maximum 1-Hour Average Concentration (ug/m3) | REL (ug/m3) | HQ       |
|--------------------|----------------------------------------------|-------------|----------|
| Acetaldehyde       | 0.01966                                      | 470         | 4.18E-05 |
| Acrolein           | 0.00473                                      | 2.5         | 1.89E-03 |
| Benzene            | 0.04338                                      | 27          | 1.61E-03 |
| 1,3,-Butadiene     | 0.00954                                      | 660         | 1.45E-05 |
| Formaldehyde       | 0.05419                                      | 55          | 9.85E-04 |
| Acute Hazard Index |                                              |             | 0.005    |

# MITIGATION MONITORING PROGRAM

---

Section 21081.6 of the Public Resources Code requires a Lead Agency to adopt a “reporting or monitoring program for the changes made to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment” (Mitigation Monitoring Program, Section 15097 of the *CEQA Guidelines* provides additional direction on mitigation monitoring or reporting). This Mitigation Monitoring Program (MMP) has been prepared in compliance with the requirements of CEQA, Public Resources Code Section 21081.6, and Section 15097 of the CEQA Guidelines. The City of Los Angeles is the Lead Agency for this project.

A Mitigated Negative Declaration (MND) has been prepared to address the potential environmental impacts of the Project. Where appropriate, this environmental document identified Project design features, regulatory compliance measures, or recommended mitigation measures to avoid or to reduce potentially significant environmental impacts of the Proposed Project. This Mitigation Monitoring Program (MMP) is designed to monitor implementation of the mitigation measures identified for the Project.

The MMP is subject to review and approval by the City of Los Angeles as the Lead Agency as part of the approval process of the project, and adoption of project conditions. The required mitigation measures are listed and categorized by impact area, as identified in the MND.

The Project Applicant shall be responsible for implementing all mitigation measures, unless otherwise noted, and shall be obligated to provide documentation concerning implementation of the listed mitigation measures to the appropriate monitoring agency and the appropriate enforcement agency as provided for herein. All departments listed below are within the City of Los Angeles unless otherwise noted. The entity responsible for the implementation of all mitigation measures shall be the Project Applicant unless otherwise noted. As shown on the following pages, each required mitigation measure for the proposed Project is listed and categorized by impact area, with accompanying discussion of:

Enforcement Agency – the agency with the power to enforce the Mitigation Measure.

Monitoring Agency – the agency to which reports involving feasibility, compliance, implementation and development are made, or whom physically monitors the project for compliance with mitigation measures.

Monitoring Phase – the phase of the Project during which the Mitigation Measure shall be monitored.

- Pre-Construction, including the design phase
- Construction
- Pre-Operation
- Operation (Post-construction)



Monitoring Frequency – the frequency of which the Mitigation Measure shall be monitored.

Action Indicating Compliance – the action of which the Enforcement or Monitoring Agency indicates that compliance with the required Mitigation Measure has been implemented.

The MMP performance shall be monitored annually to determine the effectiveness of the measures implemented in any given year and reevaluate the mitigation needs for the upcoming year.

It is the intent of this MMP to:

Verify compliance of the required mitigation measures of the MND;

Provide a methodology to document implementation of required mitigation;

Provide a record and status of mitigation requirements;

Identify monitoring and enforcement agencies;

Establish and clarify administrative procedures for the clearance of mitigation measures;

Establish the frequency and duration of monitoring and reporting; and

Utilize the existing agency review processes' wherever feasible.

This MMP shall be in place throughout all phases of the proposed Project. The entity responsible for implementing each mitigation measure is set forth within the text of the mitigation measure. The entity responsible for implementing the mitigation shall also be obligated to provide certification, as identified below, to the appropriate monitoring agency and the appropriate enforcement agency that compliance with the required mitigation measure has been implemented.

After review and approval of the final MMP by the Lead Agency, minor changes and modifications to the MMP are permitted, but can only be made by the Applicant or its successor subject to the approval by the City of Los Angeles through a public hearing. The Lead Agency, in conjunction with any appropriate agencies or departments, will determine the adequacy of any proposed change or modification. The flexibility is necessary in light of the proto-typical nature of the MMP, and the need to protect the environment with a workable program. No changes will be permitted unless the MMP continues to satisfy the requirements of CEQA, as determined by the Lead Agency.

# MITIGATION MONITORING PROGRAM

---

## Cultural/Historic Resources

V-50

During the course of any ground disturbance activities, the applicant, or their agent, shall retain a professional Native American monitor(s). Ground disturbance activities shall include the following: excavating, digging, trenching, plowing, drilling, tunneling, quarrying, grading, leveling, removing peat, clearing, pounding posts, augering, backfilling, blasting, stripping topsoil or a similar activity. Monitoring of the project site during ground disturbance activities shall comply with the following:

- a. The Project Applicant, or their agent, shall obtain a professional Native American monitor, or monitors, by contacting the Gabrieleno Band of Mission Indians. Prior to the issuance of a grading permit, evidence shall be provided to the Department of City Planning that monitor(s) have been obtained;
- b. A monitor shall be secured for each grading unit. In the event that there are simultaneous grading units operating at the same time, there shall be one monitor per grading unit;
- c. In the event that subsurface archaeological resources, human remains, or other tribal cultural resources are encountered during the course of ground disturbance activities, all such activities shall temporarily cease on the project site until the archaeological or other tribal cultural resources are assessed and subsequent recommendations are determined by a qualified archaeologist. In the event that human remains are discovered, there shall be no disposition of such human remains, other than in accordance with the procedures and requirements set forth in California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98, including the required notification to the County Coroner and the Native American Heritage Commission;
- d. In the event that subsurface resources are encountered during the course of ground disturbance activities, the qualified archaeologist on site shall specify a radius around where resources were encountered to protect such resources until the procedures and requirements set forth in California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98 have been fulfilled. Project activities may continue outside of the designated radius area.
- e. Copies of any subsequent prehistoric archaeological study, tribal cultural resources study or report, detailing the nature of any significant tribal cultural resources, remedial actions taken, and disposition of any significant tribal cultural resources shall be submitted to the South Central Coastal Information Center (SCCIC).

**Enforcement Agency:** Department of City Planning, Los Angeles Department of Building and Safety

**Monitoring Agency:** Department of City Planning

**Monitoring Phase:** Pre-construction, Construction

**Monitoring Frequency:** Periodically during ground-disturbing activities

**Action Indicating Compliance:** Issuance of a building permit

## Noise

### XII-20 Increased Noise Levels (Demolition, Grading, and Construction Activities)

- Construction and demolition shall be restricted to the hours of 7:00 am to 6:00 pm Monday through Friday, and 8:00 am to 6:00 pm on Saturday.
- Demolition and construction activities shall be scheduled so as to avoid operating several pieces of equipment simultaneously, which causes high noise levels.
- The project contractor shall use power construction equipment with state-of-the-art noise shielding and muffling devices.
- A temporary noise control barrier shall be installed on the property line of the construction site abutting residential uses. The noise control barrier shall be engineered to reduce construction-related noise levels at the adjacent residential structures with a goal of a reduction of 10dBA. The supporting structure shall be engineered and erected according to applicable codes. The temporary barrier shall remain in place until all windows have been installed and all activities on the project site are complete.

**Enforcement Agency:** Los Angeles Department of Building and Safety

**Monitoring Agency:** Los Angeles Department of Building and Safety

**Monitoring Phase:** Construction

**Monitoring Frequency:** Ongoing during field inspection

**Action Indicating Compliance:** Issuance of Certificate of Occupancy or Use of Land

## Transportation and Traffic

### XVI-50 Inadequate Emergency Access

Environmental impacts may result from project implementation due to inadequate emergency access. However, these impacts can be mitigated to a less than significant level by the following measure:

- The applicant shall submit a parking and driveway plan to the Bureau of Engineering and the Department of Transportation for approval that provides code-required emergency access.

**Enforcement Agency:** Los Angeles Department of Building and Safety, Los Angeles Department of Engineering, Los Angeles Department of Transportation

**Monitoring Agency:** Los Angeles Department of Building and Safety

**Monitoring Phase:** Pre-Construction

**Monitoring Frequency:** Once, at plan check

**Action Indicating Compliance:** Issuance of building permit.

#### **XVI-80          Pedestrian Safety**

- Applicant shall plan construction and construction staging as to maintain pedestrian access on adjacent sidewalks throughout all construction phases. This requires the applicant to maintain adequate and safe pedestrian protection, including physical separation (including utilization of barriers such as K-Rails or scaffolding, etc) from work space and vehicular traffic and overhead protection, due to sidewalk closure or blockage, at all times.
- Temporary pedestrian facilities shall be adjacent to the project site and provide safe, accessible routes that replicate as nearly as practical the most desirable characteristics of the existing facility.
- Covered walkways shall be provided where pedestrians are exposed to potential injury from falling objects.
- Applicant shall keep sidewalk open during construction until only when it is absolutely required to close or block sidewalk for construction staging. Sidewalk shall be reopened as soon as reasonably feasible taking construction and construction staging into account.

**Enforcement Agency:** Los Angeles Department of Building and Safety, LADOT, BOE

**Monitoring Agency:** Los Angeles Department of Building and Safety, LADOT

**Monitoring Phase:** Construction

**Monitoring Frequency:** Ongoing

**Action Indicating Compliance:** Issuance of Certificate of Occupancy

# Regulatory Compliance Measures

---

In addition to the Mitigation Measures required of the project, and any proposed Project Design Features, the applicant shall also adhere to any applicable Regulatory Compliance Measures required by law. Listed below is a list of often required Regulatory Compliance Measures. Please note that requirements are determined on a case by case basis, and these are an example of the most often required Regulatory Compliance Measures.

## AESTHETICS

- **Regulatory Compliance Measure RC-AE-1 (Hillside): Compliance with Baseline Hillside Ordinance.** To ensure consistency with the Baseline Hillside Ordinance, the project shall comply with the City's Hillside Development Guidelines, including but not limited to setback requirements, residential floor area maximums, height limits, lot coverage and grading restrictions.
- **Regulatory Compliance Measure RC-AE-2 (LA River): Compliance with provisions of the Los Angeles River Improvement Overlay District.** The project shall comply with development regulations set forth in Section 13.17.F of the Los Angeles Municipal Code as applicable, including but not necessarily limited to, landscaping, screening/fencing, and exterior site lighting.
- **Regulatory Compliance Measure RC-AE-3 (Vandalism): Compliance with provisions of the Los Angeles Building Code.** The project shall comply with all applicable building code requirements, including the following:
  - o Every building, structure, or portion thereof, shall be maintained in a safe and sanitary condition and good repair, and free from, debris, rubbish, garbage, trash, overgrown vegetation or other similar material, pursuant to Municipal Code Section 91.8104.
  - o The exterior of all buildings and fences shall be free from graffiti when such graffiti is visible from a street or alley, pursuant to Municipal Code Section 91.8104.15.
- **Regulatory Compliance Measure RC-AE-4 (Signage): Compliance with provisions of the Los Angeles Building Code.** The project shall comply with the Los Angeles Municipal Code Section 91.6205, including on-site signage maximums and multiple temporary sign restrictions, as applicable.
- **Regulatory Compliance Measure RC-AE-5 (Signage on Construction Barriers): Compliance with provisions of the Los Angeles Building Code.** The project shall comply with the Los Angeles Municipal Code Section 91.6205, including but not limited to the following provisions:
  - o The applicant shall affix or paint a plainly visible sign, on publically accessible portions of the construction barriers, with the following language: "POST NO BILLS".
  - o Such language shall appear at intervals of no less than 25 feet along the length of the publically accessible portions of the barrier.

- o The applicant shall be responsible for maintaining the visibility of the required signage and for maintaining the construction barrier free and clear of any unauthorized signs within 48 hours of occurrence.

## **AGRICULTURE and FORESTRY**

### **AIR QUALITY**

- **Regulatory Compliance Measure RC-AQ-1(Demolition, Grading and Construction Activities): Compliance with provisions of the SCAQMD District Rule 403.** The project shall comply with all applicable standards of the Southern California Air Quality Management District, including the following provisions of District Rule 403:
  - o All unpaved demolition and construction areas shall be wetted at least twice daily during excavation and construction, and temporary dust covers shall be used to reduce dust emissions and meet SCAQMD District Rule 403. Wetting could reduce fugitive dust by as much as 50 percent.
  - o The construction area shall be kept sufficiently dampened to control dust caused by grading and hauling, and at all times provide reasonable control of dust caused by wind.
  - o All clearing, earth moving, or excavation activities shall be discontinued during periods of high winds (i.e., greater than 15 mph), so as to prevent excessive amounts of dust.
  - o All dirt/soil loads shall be secured by trimming, watering or other appropriate means to prevent spillage and dust.
  - o All dirt/soil materials transported off-site shall be either sufficiently watered or securely covered to prevent excessive amount of dust.
  - o General contractors shall maintain and operate construction equipment so as to minimize exhaust emissions.
  - o Trucks having no current hauling activity shall not idle but be turned off.
- **Regulatory Compliance Measure RC-AQ-2:** In accordance with Sections 2485 in Title 13 of the California Code of Regulations, the idling of all diesel-fueled commercial vehicles (weighing over 10,000 pounds) during construction shall be limited to five minutes at any location.
- **Regulatory Compliance Measure RC-AQ-3:** In accordance with Section 93115 in Title 17 of the California Code of Regulations, operation of any stationary, diesel-fueled, compression-ignition engines shall meet specified fuel and fuel additive requirements and emission standards.
- **Regulatory Compliance Measure RC-AQ-4:** The Project shall comply with South Coast Air Quality Management District Rule 1113 limiting the volatile organic compound content of architectural coatings.
- **Regulatory Compliance Measure RC-AQ-5:** The Project shall install odor-reducing equipment in accordance with South Coast Air Quality Management District Rule 1138.

- **Regulatory Compliance Measure RC-AQ-6:** New on-site facility nitrogen oxide emissions shall be minimized through the use of emission control measures (e.g., use of best available control technology for new combustion sources such as boilers and water heaters) as required by South Coast Air Quality Management District Regulation XIII, New Source Review.
- **Regulatory Compliance Measure RC-AQ-7 (Spray Painting): Compliance with provisions of the SCAQMD District Rule 403.** The project shall comply with all applicable rules of the Southern California Air Quality Management District, including the following:
  - o All spray painting shall be conducted within an SCAQMD-approved spray paint booth featuring approved ventilation and air filtration system.
  - o Prior to the issuance of a building permit, use of land, or change of use to permit spray painting, certification of compliance with SCAQMD air pollution regulations shall be submitted to the Department of Building and Safety.
- **Regulatory Compliance Measure RC-AQ-8 (Wireless Facilities):** If rated higher than 50 brake horsepower (bhp), permit required in accordance with SCAQMD Rule 1470 - Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Initial Engines and SCAQMD Rule 1110.2 - Emissions from Gaseous- and Liquid- Field Engines.
- **Regulatory Compliance Measure RC-AQ-9 (Freeway Adjacent Residential):** Mechanically ventilated buildings within 1,000 feet of a freeway shall provide regularly occupied areas of the building with a MERV 13 filter for outside and return air. Filters shall be installed prior to occupancy and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

## **BIOLOGY**

- **(Duplicate of WQ Measure) Regulatory Compliance Measure RC-WQ-5 (Alteration of a State or Federal Watercourse):** The project shall comply with the applicable sections of the federal Clean Water Act (CWA) and California's Porter Cologne Water Quality Control Act (Porter Cologne). Prior to the issuance of any grading, use of land, or building permit which may affect an existing watercourse, the applicant shall consult with the following agencies and obtain all necessary permits and/or authorizations, to the satisfaction of the Department of Building and Safety. Compliance shall be determined through written communication from each jurisdictional agency, a copy of which shall be submitted to the Environmental Review case file for reference:
  - o *United States Army Corps of Engineers.* The applicant shall obtain a Jurisdictional Determination (preliminary or approved), or a letter otherwise indicating that no permit is required. Contact: Aaron O. Allen, Chief - North Coast Branch, Regulatory Division, 805-585-2148.
  - o *State Water Resources Control Board.* The applicant shall consult with the 401 Certification and Wetlands Unit and obtain all necessary permits and/or authorizations, or a letter otherwise indicating that no permit is required. Contact: 401 Certification and Wetlands Unit, Los Angeles Region, 320 W 4th Street, #200, Los Angeles, CA 90013, (213) 576-6600.



- o *California Department of Fish and Wildlife.* The applicant shall consult with the Lake and Streambed Alteration Agreement Program and obtain a Streambed Alteration Agreement, or a letter otherwise indicating that no permit is required. Contact: LSAA Program, 4949 Viewridge Avenue, San Diego, CA 92123, (858) 636-3160.

## **CULTURAL RESOURCES**

- **Regulatory Compliance Measure RC-CR-1 (Designated Historic-Cultural Resource): Compliance with United States Department of the Interior – National Park Service – Secretary of the Interior’s Standards for the Treatment of Historic Properties.** The project shall comply with the Secretary of the Interior's Standards for Historical Resources, including but not limited to the following measures:
  - o Prior to the issuance of any permit, the project shall obtain clearance from the Department of Cultural Affairs for the proposed work.
  - o A property shall be used for its historic purpose or be placed in a new use that requires minimal change to the defining characteristics of the building and its site and environment.
  - o The historic character of a property shall be retained and preserved. The removal of historic material or alteration of features and spaces shall be avoided.
  - o Each property shall be recognized as a physical record of its time, place and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other buildings, shall not be undertaken.
  - o Most properties change over time; those changes that have acquired significance in their own right shall be retained and preserved.
- **Regulatory Compliance Measure RC-CR-2 (Archaeological):** If archaeological resources are discovered during excavation, grading, or construction activities, work shall cease in the area of the find until a qualified archaeologist has evaluated the find in accordance with federal, State, and local guidelines, including those set forth in California Public Resources Code Section 21083.2. Personnel of the proposed Modified Project shall not collect or move any archaeological materials and associated materials. Construction activity may continue unimpeded on other portions of the Project site. The found deposits would be treated in accordance with federal, State, and local guidelines, including those set forth in California Public Resources Code Section 21083.2.
  - o Distinctive features, finishes and construction techniques or examples of skilled craftsmanship which characterize an historic property shall be preserved.
  - o Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive historic feature, the new feature shall match the old in design, color, texture, and other visual qualities, and where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.
  - o Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible.

- o Significant archaeological resources affected by a project shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken.
  - o New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.
  - o New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.
- **Regulatory Compliance Measure RC-CR-3 (Paleontological):** If paleontological resources are discovered during excavation, grading, or construction, the City of Los Angeles Department of Building and Safety shall be notified immediately, and all work shall cease in the area of the find until a qualified paleontologist evaluates the find. Construction activity may continue unimpeded on other portions of the Project site. The paleontologist shall determine the location, the time frame, and the extent to which any monitoring of earthmoving activities shall be required. The found deposits would be treated in accordance with federal, State, and local guidelines, including those set forth in California Public Resources Code Section 21083.2.
- **Regulatory Compliance Measure CR-4 (Human Remains):** If human remains are encountered unexpectedly during construction demolition and/or grading activities, State Health and Safety Code Section 7050.5 requires that no further disturbance shall occur until the County Coroner has made the necessary findings as to origin and disposition pursuant to California Public Resources Code (PRC) Section 5097.98. In the event that human remains are discovered during excavation activities, the following procedure shall be observed:
  - o Stop immediately and contact the County Coroner:  
1104 N. Mission Road  
Los Angeles, CA 90033  
323-343-0512 (8 a.m. to 5 p.m. Monday through Friday) or  
323-343-0714 (After Hours, Saturday, Sunday, and Holidays)

If the remains are determined to be of Native American descent, the Coroner has 24 hours to notify the Native American Heritage Commission (NAHC).

The NAHC will immediately notify the person it believes to be the most likely descendent of the deceased Native American.

- o The most likely descendent has 48 hours to make recommendations to the owner, or representative, for the treatment or disposition, with proper dignity, of the human remains and grave goods.
- o If the owner does not accept the descendant's recommendations, the owner or the descendent may request mediation by the NAHC.

## **GEOLOGY AND SOILS**

- **Regulatory Compliance Measure RC-GEO-1 (Seismic):** The design and construction of the project shall conform to the California Building Code seismic standards as approved by the Department of Building and Safety.
- **Regulatory Compliance Measure RC-GEO-2 (Hillside Grading Area):** The grading plan shall conform with the City's Landform Grading Manual guidelines, subject to approval by the Advisory Agency and the Department of Building and Safety's Grading Division. Appropriate erosion control and drainage devices shall be provided to the satisfaction of the Building and Safety Department. These measures include interceptor terraces, berms, vee-channels, and inlet and outlet structures, as specified by Section 91.7013 of the Building Code, including planting fast-growing annual and perennial grasses in areas where construction is not immediately planned.
- **Regulatory Compliance Measure RC-GEO-3 (Landslide Area):** Prior to the issuance of grading or building permits, the applicant shall submit a geotechnical report, prepared by a registered civil engineer or certified engineering geologist, to the Department of Building and Safety, for review and approval. The geotechnical report shall assess potential consequences of any landslide and soil displacement, estimation of settlement, lateral movement or reduction in foundation soil-bearing capacity, and discuss mitigation measures that may include building design consideration. Building design considerations shall include, but are not limited to:
  - o ground stabilization
  - o selection of appropriate foundation type and depths
  - o selection of appropriate structural systems to accommodate anticipated displacements or any combination of these measuresThe project shall comply with the conditions contained within the Department of Building and Safety's Geology and Soils Report Approval Letter for the proposed project, and as it may be subsequently amended or modified.
- **Regulatory Compliance Measure RC-GEO-4 (Liquefaction Area):** The project shall comply with the Uniform Building Code Chapter 18. Division 1 Section 1804.5 Liquefaction Potential and Soil Strength Loss. Prior to the issuance of grading or building permits, the applicant shall submit a geotechnical report, prepared by a registered civil engineer or certified engineering geologist, to the Department of Building and Safety, for review and approval. The geotechnical report shall assess potential consequences of any liquefaction and soil strength loss, estimation of settlement, lateral movement or reduction in foundation soil-bearing capacity, and discuss mitigation measures that may include building design consideration. Building design considerations shall include, but are not limited to:
  - o ground stabilization
  - o selection of appropriate foundation type and depths
  - o selection of appropriate structural systems to accommodate anticipated displacements or any combination of these measures.The project shall comply with the conditions contained within the Department of Building and Safety's Geology and Soils Report Approval Letter for the proposed project, and as it may be subsequently amended or modified.
- **Regulatory Compliance Measure RC-GEO-5 (Subsidence Area):** Prior to the issuance of building or grading permits, the applicant shall submit a geotechnical report prepared by a registered civil engineer or certified engineering geologist to the written satisfaction of the

Department of Building and Safety. The geotechnical report shall assess potential consequences of any subsidence and soil strength loss, estimation of settlement, lateral movement or reduction in foundation soil-bearing capacity, and discuss mitigation measures that may include building design consideration. Building design considerations shall include, but are not limited to: ground stabilization, selection of appropriate foundation type and depths, selection of appropriate structural systems to accommodate anticipated displacements or any combination of these measures. The project shall comply with the conditions contained within the Department of Building and Safety's Geology and Soils Report Approval Letter for the proposed project, and as it may be subsequently amended or modified.

- **Regulatory Compliance Measure RC-GEO-6 (Expansive Soils Area):** Prior to the issuance of grading or building permits, the applicant shall submit a geotechnical report, prepared by a registered civil engineer or certified engineering geologist, to the Department of Building and Safety, for review and approval. The geotechnical report shall assess potential consequences of any soil expansion and soil strength loss, estimation of settlement, lateral movement or reduction in foundation soil-bearing capacity, and discuss mitigation measures that may include building design consideration. Building design considerations shall include, but are not limited to: ground stabilization, selection of appropriate foundation type and depths, selection of appropriate structural systems to accommodate anticipated displacements or any combination of these measures. The project shall comply with the conditions contained within the Department of Building and Safety's Geology and Soils Report Approval Letter for the proposed project, and as it may be subsequently amended or modified.
- **Regulatory Compliance Measure RC-GHG-1 (Green Building Code):** In accordance with the City of Los Angeles Green Building Code (Chapter IX, Article 9, of the Los Angeles Municipal Code), the Project shall comply with all applicable mandatory provisions of the 2013 Los Angeles Green Code and as it may be subsequently amended or modified.

## **HAZARDS AND HAZARDOUS MATERIALS**

- **Regulatory Compliance Measure RC-HAZ-1: Explosion/Release (Existing Toxic/Hazardous Construction Materials)**
  - o **(Asbestos)** Prior to the issuance of any permit for the demolition or alteration of the existing structure(s), the applicant shall provide a letter to the Department of Building and Safety from a qualified asbestos abatement consultant indicating that no Asbestos-Containing Materials (ACM) are present in the building. If ACMs are found to be present, it will need to be abated in compliance with the South Coast Air Quality Management District's Rule 1403 as well as all other applicable State and Federal rules and regulations.
  - o **(Lead Paint)** Prior to issuance of any permit for the demolition or alteration of the existing structure(s), a lead-based paint survey shall be performed to the written satisfaction of the Department of Building and Safety. Should lead-based paint materials be identified, standard handling and disposal practices shall be implemented pursuant to OSHA regulations.
  - o **(Polychlorinated Biphenyl – Commercial and Industrial Buildings)** Prior to issuance of a demolition permit, a polychlorinated biphenyl (PCB) abatement

contractor shall conduct a survey of the project site to identify and assist with compliance with applicable state and federal rules and regulation governing PCB removal and disposal.

- **Regulatory Compliance Measure RC-HAZ-2: Explosion/Release (Methane Zone):** As the Project Site is within a methane zone, prior to the issuance of a building permit, the Site shall be independently analyzed by a qualified engineer, as defined in Ordinance No. 175,790 and Section 91.7102 of the LAMC, hired by the Project Applicant. The engineer shall investigate and design a methane mitigation system in compliance with the LADBS Methane Mitigation Standards for the appropriate Site Design Level which will prevent or retard potential methane gas seepage into the building. The Applicant shall implement the engineer's design recommendations subject to DOGGR, LADBS and LAFD plan review and approval.
- **Regulatory Compliance Measure RC-HAZ-3: Explosion/Release (Soil Gases):** During subsurface excavation activities, including borings, trenching and grading, OSHA worker safety measures shall be implemented as required to preclude any exposure of workers to unsafe levels of soil-gases, including, but not limited to, methane.
- **Regulatory Compliance Measure RC-HAZ-4 Listed Sites (Removal of Underground Storage Tanks):** Underground Storage Tanks shall be decommissioned or removed as determined by the Los Angeles City Fire Department Underground Storage Tank Division. If any contamination is found, further remediation measures shall be developed with the assistance of the Los Angeles City Fire Department and other appropriate State agencies. Prior to issuance of a use of land or building permit, a letter certifying that remediation is complete from the appropriate agency (Department of Toxic Substance Control or the Regional Water Quality Control Board) shall be submitted to the decision maker.
- **Regulatory Compliance Measure RC-HAZ-5 (Hazardous Materials Site):** Prior to the issuance of any use of land, grading, or building permit, the applicant shall obtain a sign-off from the Fire Department indicating that all on-site hazardous materials, including contamination of the soil and groundwater, have been suitably remediated, or that the proposed project will not impede proposed or on-going remediation measures.

## **HYDROLOGY AND WATER QUALITY**

- **Regulatory Compliance Measure RC-WQ-1: National Pollutant Discharge Elimination System General Permit.** Prior to issuance of a grading permit, the Applicant shall obtain coverage under the State Water Resources Control Board National Pollutant Discharge Elimination System General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ, National Pollutant Discharge Elimination System No. CAS000002) (Construction General Permit) for Phase 1 of the proposed Modified Project. The Applicant shall provide the Waste Discharge Identification Number to the City of Los Angeles to demonstrate proof of coverage under the Construction General Permit. A Storm Water Pollution Prevention Plan shall be prepared and implemented for the proposed Modified Project in compliance with the requirements of the Construction General Permit. The Storm Water Pollution Prevention Plan shall identify construction Best Management Practices to be implemented to ensure that the potential for

soil erosion and sedimentation is minimized and to control the discharge of pollutants in stormwater runoff as a result of construction activities.

- **Regulatory Compliance Measure RC-WQ-2: Dewatering.** If required, any dewatering activities during construction shall comply with the requirements of the Waste Discharge Requirements for Discharges of Groundwater from Construction and Project Dewatering to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties (Order No. R4-2008-0032, National Pollutant Discharge Elimination System No. CAG994004) or subsequent permit. This will include submission of a Notice of Intent for coverage under the permit to the Los Angeles Regional Water Quality Control Board at least 45 days prior to the start of dewatering and compliance with all applicable provisions in the permit, including water sampling, analysis, and reporting of dewatering-related discharges.
- **Regulatory Compliance Measure RC-WQ-3: Low Impact Development Plan.** Prior to issuance of grading permits, the Applicant shall submit a Low Impact Development Plan and/or Standard Urban Stormwater Mitigation Plan to the City of Los Angeles Bureau of Sanitation Watershed Protection Division for review and approval. The Low Impact Development Plan and/or Standard Urban Stormwater Mitigation Plan shall be prepared consistent with the requirements of the Development Best Management Practices Handbook.
- **Regulatory Compliance Measure RC-WQ-4: Development Best Management Practices.** The Best Management Practices shall be designed to retain or treat the runoff from a storm event producing 0.75 inch of rainfall in a 24-hour period, in accordance with the Development Best Management Practices Handbook Part B Planning Activities. A signed certificate from a licensed civil engineer or licensed architect confirming that the proposed Best Management Practices meet this numerical threshold standard shall be provided.
- **Regulatory Compliance Measure RC-WQ-5 (Alteration of a State or Federal Watercourse):** The project shall comply with the applicable sections of the federal Clean Water Act (CWA) and California's Porter Cologne Water Quality Control Act (Porter Cologne). Prior to the issuance of any grading, use of land, or building permit which may affect an existing watercourse, the applicant shall consult with the following agencies and obtain all necessary permits and/or authorizations, to the satisfaction of the Department of Building and Safety. Compliance shall be determined through written communication from each jurisdictional agency, a copy of which shall be submitted to the Environmental Review case file for reference:
  - o *United States Army Corps of Engineers.* The applicant shall obtain a Jurisdictional Determination (preliminary or approved), or a letter otherwise indicating that no permit is required. Contact: Aaron O. Allen, Chief - North Coast Branch, Regulatory Division, 805-585-2148.
  - o *State Water Resources Control Board.* The applicant shall consult with the 401 Certification and Wetlands Unit and obtain all necessary permits and/or authorizations, or a letter otherwise indicating that no permit is required. Contact: 401 Certification and Wetlands Unit, Los Angeles Region, 320 W 4th Street, #200, Los Angeles, CA 90013, (213) 576-6600.
  - o *California Department of Fish and Wildlife.* The applicant shall consult with the Lake and Streambed Alteration Agreement Program and obtain a Streambed Alteration Agreement, or a letter otherwise indicating that no permit is



required. Contact: LSAA Program, 4949 Viewridge Avenue, San Diego, CA 92123, (858) 636-3160.

- **Regulatory Compliance Measure RC-WQ-6 (Flooding/Tidal Waves):** The project shall comply with the requirements of the Flood Hazard Management Specific Plan, Ordinance No. 172081 effective 7/3/98.

#### **LAND USE AND PLANNING**

- **Regulatory Compliance Measure RC-LU-1 (Slope Density):** The project shall not exceed the maximum density permitted in Hillside Areas, as calculated by the formula set forth in Los Angeles Municipal Code Section 17.05-C (for tracts) or 17.50-E (for parcel maps).

#### **MINERAL RESOURCES**

#### **NOISE**

- **Regulatory Compliance Measure RC-NO-1 (Demolition, Grading, and Construction Activities):** The project shall comply with the City of Los Angeles Noise Ordinance and any subsequent ordinances, which prohibit the emission or creation of noise beyond certain levels at adjacent uses unless technically infeasible.

#### **POPULATION AND HOUSING**

- **New Regulatory Compliance Measure RC-PH-1 (Tenant Displacement):**
  - **Apartment Converted to Condominium** - Prior to final map recordation, and pursuant to the provisions of Section 12.95.2-G and 47.06 of the Los Angeles Municipal Code (LAMC), a tenant relocation plan shall be submitted to the Los Angeles Housing Department for review and approval.
  - **Apartment Demolition** - Prior to the issuance of a demolition permit, and pursuant to the provisions of Section 47.07 of the Los Angeles Municipal Code, a tenant relocation plan shall be submitted to the Los Angeles Housing Department for review and approval.
  - **Mobile Home Park Closure or Conversion to Different Use** Prior to the issuance of any permit or recordation, and pursuant to the provisions of Section 47.08 and 47.09 of the Los Angeles Municipal Code, a tenant relocation plan and mobile home park closure impact report shall be submitted to the Los Angeles Housing Department for review and approval.

#### **PUBLIC SERVICES**

##### **Schools**

- **Regulatory Compliance Measure RC-PS-1 (Payment of School Development Fee)** Prior to issuance of a building permit, the General Manager of the City of Los Angeles, Department of Building and Safety, or designee, shall ensure that the Applicant has paid all applicable school facility development fees in accordance with California Government Code Section 65995.



## **Parks**

- **Regulatory Compliance Measure RC-PS-2 (Increased Demand For Parks Or Recreational Facilities):**
  - o (*Subdivision*) Pursuant to Section 17.12-A or 17.58 of the Los Angeles Municipal Code, the applicant shall pay the applicable Quimby fees for the construction of dwelling units.
  - o (*Apartments*) Pursuant to Section 21.10 of the Los Angeles Municipal Code, the applicant shall pay the Dwelling Unit Construction Tax for construction of apartment buildings.
- **Regulatory Compliance Measure RC-PS-3 (Increase Demand For Parks Or Recreational Facilities – Zone Change)** Pursuant to Section 12.33 of the Los Angeles Municipal Code, the applicant shall pay the applicable fees for the construction of dwelling units.

## **RECREATION**

See RC measures above under Parks.

## **TRANSPORTATION AND TRAFFIC**

- **Regulatory Compliance Measure RC-TT-1 (Increased Vehicle Trips/Congestion - West Side Traffic Fee)** Prior to issuance of a Building Permit, the applicant shall pay a traffic impact fee to the City, based on the requirements of the West Los Angeles Traffic Improvement and Mitigation Specific Plan (WLA TIMP).

## **PUBLIC UTILITIES AND SERVICE SYSTEMS**

### **Water Supply**

- **Regulatory Compliance Measure RC-WS-1 (Fire Water Flow)** The Project Applicant shall consult with the LADBS and LAFD to determine fire flow requirements for the Proposed Project, and will contact a Water Service Representative at the LADWP to order a SAR. This system hydraulic analysis will determine if existing LADWP water supply facilities can provide the proposed fire flow requirements of the Project. If water main or infrastructure upgrades are required, the Applicant would pay for such upgrades, which would be constructed by either the Applicant or LADWP.
- **Regulatory Compliance Measure RC-WS-2 (Green Building Code):** The Project shall implement all applicable mandatory measures within the LA Green Building Code that would have the effect of reducing the Project's water use.
- **Regulatory Compliance Measure RC-WS-3 (New Carwash):** The applicant shall incorporate a water recycling system to the satisfaction of the Department of Building and Safety.

- **Regulatory Compliance Measure RC-WS-4 (Landscape)** The Project shall comply with Ordinance No. 170,978 (Water Management Ordinance), which imposes numerous water conservation measures in landscape, installation, and maintenance (e.g., use drip irrigation and soak hoses in lieu of sprinklers to lower the amount of water lost to evaporation and overspray, set automatic sprinkler systems to irrigate during the early morning or evening hours to minimize water loss due to evaporation, and water less in the cooler months and during the rainy season).

### Energy

- **Regulatory Compliance Measure RC-EN-1(Green Building Code):** The Project shall implement all applicable mandatory measures within the LA Green Building Code that would have the effect of reducing the Project's energy use.

### Solid Waste

- **Regulatory Compliance Measure RC-SW-1 (Designated Recycling Area)** In compliance with Los Angeles Municipal Code, the proposed Modified Project shall provide readily accessible areas that serve the entire building and are identified for the depositing, storage, and collection of nonhazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, and metals.
- **Regulatory Compliance Measure RC-SW-2 (Construction Waste Recycling)** In order to meet the diversion goals of the California Integrated Waste Management Act and the City of Los Angeles, which will total 70 percent by 2013, the Applicant shall salvage and recycle construction and demolition materials to ensure that a minimum of 70 percent of construction-related solid waste that can be recycled is diverted from the waste stream to be landfilled. Solid waste diversion would be accomplished through the on-site separation of materials and/or by contracting with a solid waste disposal facility that can guarantee a minimum diversion rate of 70 percent. In compliance with the Los Angeles Municipal Code, the General Contractor shall utilize solid waste haulers, contractors, and recyclers who have obtained an Assembly Bill (AB) 939 Compliance Permit from the City of Los Angeles Bureau of Sanitation.
- **Regulatory Compliance Measure RC-SW-3 (Commercial/Multifamily Mandatory Recycling)** In compliance with AB341, recycling bins shall be provided at appropriate locations to promote recycling of paper, metal, glass and other recyclable material. These bins shall be emptied and recycled accordingly as a part of the Proposed Project's regular solid waste disposal program. The Project Applicant shall only contract for waste disposal services with a company that recycles solid waste in compliance with AB341.

## **EXHIBIT C**

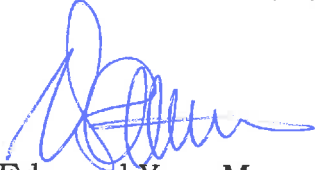
### **Department Letters**

**Department of Transportation  
Bureau of Engineering  
Fire Department  
Bureau of Street Lighting  
Urban Forestry**

**CITY OF LOS ANGELES**  
**INTER-DEPARTMENTAL CORRESPONDENCE**

**Date:** February 7, 2017

**To:** Mr. Vince P. Bertoni, Director  
Department of City Planning  
Attn: Nicholas Hendricks (Senior City Planner)

  
**From:** Edmond Yew, Manager  
Land Development & GIS Division  
Bureau of Engineering

**Subject: Case No. CPC 2016-4493 (VZC/SPR): 11509-11531 West Chandler Boulevard**

The following recommendations identifying the infrastructure deficiencies adjacent to the application site are submitted for your use for the approval of a Vesting Zone Change and Site Plan Review adjoining the area involved:

1. Dedication Required:

**Chandler Boulevard** (Boulevard II) – None.

**Beck Avenue** (Local Street) – None.

**Alley** (N/o Chandler Blvd.) – None.

Improvements Required:

**Chandler Boulevard** – Construct a new full-width concrete sidewalk along the property frontage. Upgrade all driveways to comply with ADA requirements and close all unused driveways with full height curb, 2-foot gutter and concrete sidewalk.

**Beck Avenue** – Construct a 12-foot wide full-width concrete sidewalk along the property frontage. Upgrade all driveways to comply with ADA requirements and close all unused driveways with full height curb, 2-foot gutter and concrete sidewalk.

**Alley** – Construct a new 18-foot alley with asphalt pavement, and a 2-foot longitudinal concrete gutter along the frontage and off-site to Camellia Avenue. Construct new alley intersections at Beck Avenue and Camellia Avenue to comply with City Standards.

Install tree wells with root barriers and plant street trees satisfactory to the City Engineer and the Urban Forestry Division of the Bureau of Street Services. The applicant should contact the Urban Forestry Division for further information (213) 847-3077.

Notes: Street lighting may be required satisfactory to the Bureau of Street Lighting (213) 847-1551.

Department of Transportation may have additional requirements for dedication and improvements.

2. No major drainage problems are involved.
3. Sewer lines exist in the Alley. All Sewerage Facilities Charges and Bonded Sewer Fees are to be paid prior to obtaining a building permit.
4. An investigation from the Bureau of Engineering sewer counter may be necessary to determine the capacity of the existing public sewers to accommodate the proposed development. Submit a request to the Public Counter of the Valley District Office of the Bureau of Engineering (818) 374-5090.
5. Submit shoring and lateral support plans to the Bureau of Engineering Valley District Office Excavation Counter for review and approval prior to excavating adjacent to the public right-of-way (818) 374-5090.
6. Submit parking area and driveway plan to the Valley District Office of the Bureau of Engineering and the Department of Transportation for review and approval.

Any questions regarding this report may be directed to Quyen M. Phan of my staff at (213) 202-3488.

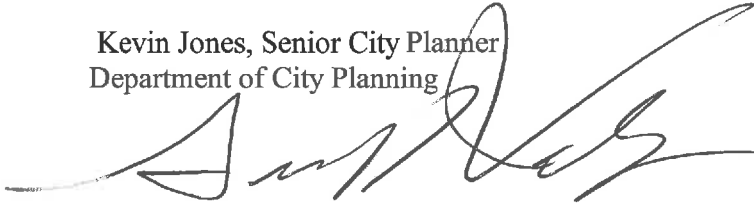
cc: Jerome Buckmelter  
Valley District Office

**CITY OF LOS ANGELES**  
**INTER-DEPARTMENTAL CORRESPONDENCE**

11525 Chandler Blvd  
DOT Case No. SFV-2016-104809

Date: November 22, 2016

To: Kevin Jones, Senior City Planner  
Department of City Planning



From: Sergio D. Valdez, Transportation Engineer  
Department of Transportation

Subject: **DOT TRAFFIC EVALUATION OF ASSESSMENT FOR THE PROPOSED LA  
CHANDLER ART CENTER FOR THE PROPOSED 60 UNIT LIVE/WORK  
PROJECT LOCATED AT 11525 CHANDLER BOULEVARD**

The Department of Transportation (DOT) has completed the review of the technical traffic evaluation submitted by KOA Corporation, Planning & engineering, dated September, 2016. This technical analysis for the proposed 60 units live/work project, demonstrates that this proposed project will not significantly impact the traffic in the surrounding area. The project will generate an additional 26 net new trips in the a.m. peak hour & 31 net new trips in the p.m. peak hour. The applicant should contact B.O.E. for widening and dedication requirements.

**ACCESS AND CIRCULATION**

This determination does not include approval of the project's driveways, internal circulation, or parking scheme. However, the following general comments do apply:

- For all two-way driveways, a width of W=30', exclusive of side slope shall be provided.
- For all one-way driveways, a width of W=16', exclusive of side slope shall be provided.
- To minimize the conflict between vehicles using adjoining driveways a minimum of 50-foot full-height curb shall be provided between driveways.
- A minimum required reservoir space between the new property line and the first parking stall or gate shall be provided for all driveways.
- Parking stall shall be designed so that a vehicle is not required to back up into or out of any public street, sidewalk or alley.
- Final DOT approval shall be obtained prior to issuance of any building permits. This should be accomplished by submitting detailed site and driveway plans, with a minimum scale of 1"=40', to DOT's Valley Development Review Section at 6262 Van Nuys Boulevard, Suite 320, Van Nuys, CA 91401.

If you have any further questions, you may contact Durre Shamsi of my staff at (818) 374-4699.

**CITY OF LOS ANGELES**  
INTER-DEPARTMENTAL MEMORANDUM

11525 W. Chandler Boulevard  
DOT Case No. SFV 16-104809  
DOT Project ID No. 44887

Date: December 7, 2016

To: Deputy Advisory Agency  
Department of City Planning

From: Taghi Gharagozli, Associate Transportation Engineer III  
Department of Transportation

Subject: **CASE NO. CPC-2016-4493-VZC-SPR**  
**ENV-2016-4494-EAF**

Reference is made to your request for review of this case regarding potential traffic access problems. Based upon this review, it is recommended that:

1. All requirements and conditions listed in the DOT traffic evaluation assessment letter dated November 22, 2016, and all subsequent revisions to this traffic evaluation assessment, be applied to the project.
2. A minimum 20-foot reservoir space is required between any security gate or parking space and the property line, to the satisfaction of DOT.
3. A two-way driveway width of W=30 feet is required for residential sites with more than 25 parking spaces.
4. A parking area and driveway plan should be submitted to the Citywide Planning Coordination Section of the Department of Transportation for approval prior to submittal of building permit plans for plan check by the Department of Building and Safety. Transportation approvals are conducted at 6262 Van Nuys Blvd., Room 320, Van Nuys, CA 91401.
5. That the subdivision report fee and condition clearance fee be paid to the Department of Transportation as required per Ordinance No. 183270 and LAMC Section 19.15 prior to recordation of the final map. Note: the applicant may be required to comply with any other applicable fees per this new ordinance.

If you have any questions, you may contact me at [taghi.gharagozli@lacity.org](mailto:taghi.gharagozli@lacity.org) or 818-374-4699.



**CITY OF LOS ANGELES**  
INTER-DEPARTMENTAL CORRESPONDENCE

December 16, 2016

TO: Vincent Bertoni, AICP, Director of Planning  
Department of City Planning  
Attention: Nicholas Hendricks

FROM: Fire Department

SUBJECT: **CITY PLANNING CASE –CPC-2016-4493**  
**(11525 W. CHANDLER BLVD. (EXPEDITED))**

Submit plot plans for Fire Department approval and review prior to recordation of City Planning Case.

RECOMMENDATIONS:

Access for Fire Department apparatus and personnel to and into all structures shall be required.

Where above ground floors are used for residential purposes, the access requirement shall be interpreted as being the horizontal travel distance from the street, driveway, alley, or designated fire lane to the main entrance of individual units

The entrance or exit of all ground dwelling units shall not be more than 150 feet from the edge of a roadway of an improved street, access road, or designated fire lane.

No building or portion of a building shall be constructed more than 150 feet from the edge of a roadway of an improved street, access road, or designated fire lane.

**Policy Exception:** L.A.M.C. 57.09.03.B Exception:

- When this exception is applied to a fully fire sprinklered residential building equipped with a wet standpipe outlet inside an exit stairway with at least a 2 hour rating the distance from the wet standpipe outlet in the stairway to the entry door of any dwelling unit or guest room shall not exceed 150 feet of horizontal travel AND the distance from the edge of the roadway of an improved street or approved fire lane to the door into the same exit stairway directly from outside the building shall not exceed 150 feet of horizontal travel.
- It is the intent of this policy that in no case will the maximum travel distance exceed 150 feet inside the structure and 150 feet outside the structure. The term “horizontal travel” refers to the actual path of travel to be taken by a person responding to an emergency in the building.
- This policy does not apply to single-family dwellings or to non-residential buildings.

Building designs for multi-storied residential buildings shall incorporate at least one access stairwell off the main lobby of the building; But, in no case greater than 150ft horizontal travel distance from the edge of the public street, private street or Fire Lane. This stairwell shall extend unto the roof.

Entrance to the main lobby shall be located off the address side of the building.

Any required Fire Annunciator panel or Fire Control Room shall be located within 50ft visual line of site of the main entrance stairwell or to the satisfaction of the Fire Department.

Where rescue window access is required, provide conditions and improvements necessary to meet accessibility standards as determined by the Los Angeles Fire Department.

Adequate public and private fire hydrants shall be required.

Site plans shall include all overhead utility lines adjacent to the site.

Any roof elevation changes in excess of 3 feet may require the installation of ships ladders.

The applicant is further advised that all subsequent contact regarding these conditions must be with the Hydrant and Access Unit. This would include clarification, verification of condition compliance and plans or building permit applications, etc., and shall be accomplished BY APPOINTMENT ONLY, in order to assure that you receive service with a minimum amount of waiting please call (818) 374-4351. You should advise any consultant representing you of this requirement as well.

RALPH M. TERRAZAS  
Fire Chief

Kristen Crowley, Fire Marshal  
Bureau of Fire Prevention and Public Safety

KC:RED:yw  
CPC-2016-4493 Exp.

**CITY OF LOS ANGELES**  
INTER-DEPARTMENTAL CORRESPONDENCE

**Date:** 12/21/2016

**To:** Charlie Rausch, Senior City Planner  
Department of City Planning  
200 N. Spring St., 6th Floor MS-395

**From:**  Jay Wong, Manager  
Private Development Division  
Bureau of Street Lighting

**SUBJECT: STREET LIGHTING REQUIREMENTS FOR DISCRETIONARY ACTIONS**

**CITY PLANNING CASE No.: CPC 2016-4493 VZC SPR EXP**

11525 W. Chandler Bl.

The Bureau of Street Lighting's recommended condition of approval for the subject city planning case is as follows: (Improvement condition added to S-3 (c) where applicable.)

**SPECIFIC CONDITION:** Prior to the recordation of the final map or issuance of the Certificate of Occupancy (C of O), street lighting improvement plans shall be submitted for review and the owner shall provide a good faith effort via a ballot process for the formation or annexation of the property within the boundary of the development into a Street Lighting Maintenance Assessment District.

**IMPROVEMENT CONDITION:** Construct new street light: one (1) on Beck Ave. If street widening per BOE improvement conditions, relocate and upgrade street lights; two (2) on Chandler Bl.

**NOTES:**

The quantity of street lights identified may be modified slightly during the plan check process based on illumination calculations and equipment selection.

Conditions set: 1) in compliance with a Specific Plan, 2) by LADOT, or 3) by other legal instrument excluding the Bureau of Engineering conditions, requiring an improvement that will change the geometrics of the public roadway or driveway apron may require additional or the reconstruction of street lighting improvements as part of that condition.

CITY OF LOS ANGELES  
INTER-DEPARTMENTAL CORRESPONDENCE

**DATE:** January 10, 2016

**TO:** Jae H. Kim, Deputy Advisory Agency  
Department of City Planning

 **FROM:** Timothy Tyson, Chief Forester  
Bureau of Street Services, Urban Forestry Division

**SUBJECT:** CPC-2016-4493-VZC-SPR / 11525 WEST CHANDLER BLVD

The Urban Forestry Division has investigated this project and recommends the following conditions:

1. Plant street trees and remove any existing trees within dedicated streets or proposed dedicated streets as required by the Urban Forestry Division of the Bureau of Street Services. All street tree plantings shall be brought up to current standards. When the City has previously been paid for tree plantings, the sub divider or contractor shall notify the Urban Forestry Division (213-847-3077) upon completion of construction to expedite tree planting.

**Note:** All protected tree removals must be approved by the Board of Public Works. Contact Urban Forestry Division at: 213-847-3077